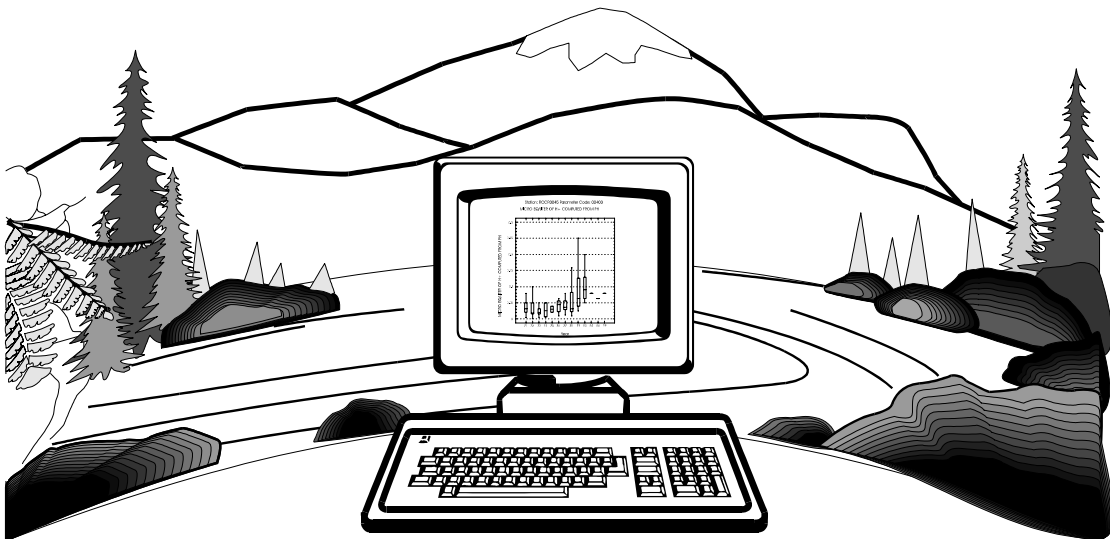
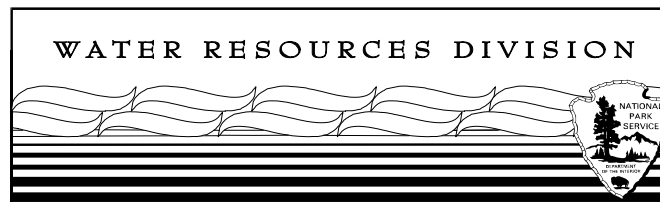

BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

Virgin Islands National Park



WATER RESOURCES DIVISION AND SERVICEWIDE INVENTORY AND MONITORING PROGRAM



*National Park Service - Department of the Interior
Fort Collins - Denver - Washington*

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**BASELINE WATER QUALITY DATA
INVENTORY AND ANALYSIS
VIRGIN ISLANDS NATIONAL PARK**

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-95/65

SEPTEMBER 1995

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Virgin Islands National Park (VIIS) from six of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) water quality database management system; (2) River Reach File (RF3)[†]; (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); (5) Flow Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing annual and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located no industrial/municipal dischargers, drinking water intakes, gaging stations, or water impoundments. The results of the STORET retrieval for the study area yielded 32,868 observations for 70 separate parameters collected by the National Park Service and EPA Region 2 at 101 monitoring stations. Of the 101 monitoring stations, six were established by the EPA but contained no data. Forty-seven stations were located within the park boundary. About half of the sampling stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Fifty-one stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters. Twenty-six stations yielding longer-term records within the park are: (1) Salt Pond Bay (VIIS 0014); (2) Salt Pond Bay (VIIS 0015); (3) Leinster Bay (VIIS 0022); (4) Great Lameshur Bay (VIIS 0025); (5) Great Lameshur Bay (VIIS 0027); (6) Yawsi Point (VIIS 0028); (7) Little Lameshur Bay (VIIS 0029); (8) Little Lameshur Bay (VIIS 0030); (9) Water Isle - Sprat Bay (VIIS 0033); (10) Francis Bay - 100 Ft Off Beach (VIIS 0035); (11) Maho Bay (VIIS 0037); (12) Francis Bay (VIIS 0038); (13) Reef Bay (VIIS 0040); (14) Reef Bay (VIIS 0042); (15) Cinnamon Bay (VIIS 0044); (16) Cinnamon Bay (VIIS 0046); (17) Peter Bay (VIIS 0048); (18) Trunk Bay (VIIS 0055); (19) Trunk Bay - 100 Ft Off Park Beach (VIIS 0059); (20) Hawksnest Gibney Beach (VIIS 0061); (21) Hawksnest Bay (VIIS 0064); (22) Hawksnest Middle Beach (VIIS 0065); (23) Caneel Bay (VIIS 0071); (24) Caneel Bay At End Of Dock (VIIS 0073); (25) Henley Cay (VIIS 0077); and (26) Cruz Bay Airplane Ramp (VIIS 0086)^{††}. Twenty-five stations yielding longer-term records within the study area, but outside of the park boundary are: (1) Newfound Bay (VIIS 0004); (2) Haulover Bay (VIIS 0007); (3) Long Point (VIIS 0008); (4) Water Creek (VIIS 0009); (5) Princess Bay (VIIS 0010); (6) Johnson Bay (VIIS 0013); (7) Coral Bay At End Of Public Dock (VIIS 0019); (8) Coral Bay Dock (VIIS 0020); (9) Fish Bay - 100 Ft Off North Shore (VIIS 0050); (10) Fish Bay (VIIS 0051); (11) Rendezvous Bay (VIIS 0053); (12) Rendezvous Bay (VIIS 0057); (13) Chocolate Hole (VIIS 0067); (14) Chocolate Hole (VIIS 0068); (15) Great Cruz Bay (VIIS 0074); (16) Great Cruz Bay (VIIS 0076); (17) Cruz Bay Creek - NPS Dock (VIIS 0080); (18) Cruz Bay Creek - 50 Ft No. Of Ramp (VIIS 0081); (19) Cruz Bay Creek Mouth (VIIS 0083); (20) Cruz Bay (VIIS 0085); (21) Cruz Bay (VIIS 0089); (22) Turner Bay (VIIS 0090); (23) Cruz Bay Ferry Dock (VIIS 0091); (24) Turner Bay (VIIS 0093); and (25) Great Bay - 100 Ft Off Ctr. Beach VIIS 0101).

[†]The EPA RF3 file has not been completed for the Virgin Islands. Consequently, 1:100,000 scale digital hydrography from the U.S. Census TIGER files was used to provide the hydrographic backdrop for analyzing VIIS's water quality data. When the EPA completes the RF3 dataset for VIIS, these data will be sent to VIIS.

^{††}Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the VIIS water quality criteria screen found five parameters that exceeded screening criteria at least once within the study area. Copper, mercury, and zinc exceeded their respective EPA acute criteria for the protection of marine aquatic life. Total coliform and fecal coliform concentrations exceeded the WRD screening limits for bathing water.

Total coliform concentrations were determined 110 times at 29 monitoring stations from 1972 through 1979. Four observations ranging from 2,000 CFU/100 ml to 2,800 CFU/100 ml in Salt Pond Bay (VIIS 0017) and Cruz Bay (VIIS 0084, VIIS 0092, VIIS 0095) exceeded the 1,000 CFU/100 ml WRD screening criterion for bathing water on November 9, 1979. Fecal coliform concentrations were determined 1,189 times at 64 stations from 1969 through 1986. Twenty-seven observations at 14 stations throughout the study area exceeded the 200 CFU/100 ml WRD screening criterion for bathing water. Forty-four percent of the observations exceeding the criterion were recorded in Cruz Bay, 50 feet north of the ramp (VIIS 0081).

Total copper concentrations were measured 20 times at 11 monitoring stations from 1972 through 1979. Each of the ten observations used in the criteria analysis (see Remark Code Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation) was within the range of 7 µg/L to 15 µg/L, and exceeded the acute marine criterion of 2.9 µg/L on November 18, 1972. The criterion was exceeded at ten stations (VIIS 0001, VIIS 0005, VIIS 0021, VIIS 0024, VIIS 0039, VIIS 0045, VIIS 0052, VIIS 0070, VIIS 0084, VIIS 0092) throughout the study area.

Total mercury concentrations were measured 20 times at 11 monitoring stations from 1972 through 1979. Two concentrations of 2.9 µg/L and 3.0 µg/L in Fish Bay (VIIS 0052) and Caneel Bay (VIIS 0070), respectively, exceeded the acute marine criterion of 2.1 µg/L on November 7, 1979.

Total zinc concentrations were measured 20 times at 11 monitoring stations from 1972 through 1979. Nine observations ranging from 120 µg/L to 460 µg/L at nine monitoring stations exceeded the acute marine criterion of 95 µg/L on November 18, 1972 (VIIS 0001, VIIS 0005, VIIS 0021, VIIS 0024, VIIS 0039, VIIS 0045, VIIS 0052, VIIS 0070, VIIS 0092).

The IDEA conducted for VIIS indicates that no STORET data exist for the alkalinity, flow, chlorophyll, or sulfates/total dissolved solids/hardness Level I parameter groups. Sufficient quantities of timely data were retrieved for most of the remaining required chemical parameters. Results for six of the 127 EPA priority toxic pollutants (consisting of inorganic parameters only) were retrieved from STORET. No organic data were available from STORET.

VIIS is renowned for its white-sand beaches, coral reefs, and clear water. Surface water resources in the study area include nearshore waters of the Atlantic Ocean and Caribbean Sea and several intermittent drainages. Based on the data inventories and analyses contained in this report, surface waters within the study area are generally of good quality with some indications of impacts from human activities. Potential sources of contaminants include increasing development on St. John island, erosion from unpaved road surfaces, and recreational activities.

TABLE OF CONTENTS

EXECUTIVE SUMMARY	v
TABLE OF CONTENTS	vii
I. INTRODUCTION	1
Goal	1
Purpose	1
Objectives	1
Document Overview	2
Caveats	2
Key Personnel	3
II. METHODOLOGY	5
Delineation of Park Study Area	5
Data Sources	5
Data Retrieval and Analysis Procedures	7
Park Unit Databases	8
Screening Methodologies and Procedures	9
STORET Edit Criteria	9
Date Screen	10
Station Type Screen	10
Phase 0 Parameter Screen	11
Phase 1 Parameter Screen	11
Media Type Screen	11
Remark Code Screen	11
Composite Type Screen	13
Phase 2 Parameter Screen	14
Observations/Period of Record Screen	15
Statistical Definitions	17
III. INTERPRETIVE GUIDE TO WATER QUALITY RESULTS	19
Overview	19
Regional Location Map	19
Water Quality Monitoring Locations Map(s)	19
Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)	20
Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table	20
Representative Mean Annual Hydrograph for Seasonal Analysis	20
Contacts for Agency Codes Retrieved	21
Quantity of Data Retrieved by Agency Code	21
Station Period of Record Tabulation	21
Parameter Period of Record Tabulation	21
Station/Parameter Period of Record Tabulation	22
Station-By-Station Results	22
Station Inventory for Station	23
Parameter Inventory for Station	22
EPA Water Quality Criteria Analysis for Station	23
Time Series Plots for Station	24
Annual Analysis for Station	24
Annual Box-and-Whiskers Plots for Station	24

<u>Seasonal Analysis for Station</u>	25
<u>Seasonal Box-and-Whiskers Plots for Station</u>	26
<u>EPA Water Quality Criteria Analysis for Entire Park Study Area</u>	25
<u>NPS Servicewide Inventory and Monitoring Program</u>	
<u>“Level I” Water Quality Inventory Data Evaluation and Analysis (IDEA)</u>	26
<u>Water Quality Observations Outside STORET Edit Criteria for Park</u>	27
IV. <u>WATER QUALITY RESULTS</u>	29
<u>Overview</u>	31
<u>Regional Location Map</u>	32
<u>Water Quality Monitoring Locations Map(s)</u>	33
<u>Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)</u>	36
<u>Industrial Facilities Discharges, Drinking Water Intakes, Water Gages,</u> <u>and Water Impoundments Table</u>	37
<u>Representative Mean Annual Hydrograph for Seasonal Analysis</u>	38
<u>Contacts for Agency Codes Retrieved</u>	39
<u>Quantity of Data Retrieved by Agency Code</u>	40
<u>Station Period of Record Tabulation</u>	41
<u>Parameter Period of Record Tabulation</u>	43
<u>Station/Parameter Period of Record Tabulation</u>	44
<u>Station-By-Station Results</u>	65
<u>VIIS0001 East End Bay</u>	67
<u>VIIS0002 Newfound Bay</u>	69
<u>VIIS0003 Privateer Bay</u>	70
<u>VIIS0004 Newfound Bay</u>	71
<u>VIIS0005 North Haulover</u>	73
<u>VIIS0006 Haulover Bay</u>	75
<u>VIIS0007 Haulover Bay</u>	77
<u>VIIS0008 Long Point</u>	83
<u>VIIS0009 Water Creek</u>	89
<u>VIIS0010 Princess Bay</u>	95
<u>VIIS0011 Sabbat Channel Nanny Pt</u>	101
<u>VIIS0012 Mary Creek</u>	102
<u>VIIS0013 Johnson Bay</u>	103
<u>VIIS0014 Saltpond Bay</u>	109
<u>VIIS0015 Salt Pond Bay</u>	115
<u>VIIS0016 Salt Pond Bay 100 F Off Cntr of Beach 2.5/3 M</u>	124
<u>VIIS0017 Salt Pond Bay</u>	125
<u>VIIS0018 Coral Bay at End of Public Dock 1.5/2 Meters</u>	126
<u>VIIS0019 Coral Bay at End of Public Dock</u>	127
<u>VIIS0020 Coral Bay Dock</u>	136
<u>VIIS0021 Coral Harbor</u>	142
<u>VIIS0022 Leinster Bay</u>	144
<u>VIIS0023 Watermelon Bay</u>	150
<u>VIIS0024 Great Lameshur Bay</u>	151
<u>VIIS0025 Great Lameshur Bay</u>	153
<u>VIIS0026 Great Lameshur Bay 50 F Off End of Dock 3/3.5 M</u>	162
<u>VIIS0027 Great Lameshur Bay</u>	163
<u>VIIS0028 Yawsi Point</u>	169
<u>VIIS0029 Little Lameshur Bay</u>	175
<u>VIIS0030 Little Lameshur Bay</u>	181
<u>VIIS0031 Little Lameshur Bay 100 F Off Park Beach 3/3.5 M</u>	190
<u>VIIS0032 Little Lameshur Bay</u>	191
<u>VIIS0033 Water Isle-Sprat Bay</u>	192

VIIS0034	Brown Bay	202
VIIS0035	Francis Bay-100 Ft Off Beach	203
VIIS0036	Francis Bay-100 Ft Off Beach 5/7 M	208
VIIS0037	Maho Bay	209
VIIS0038	Francis Bay	215
VIIS0039	Francis Bay	221
VIIS0040	Reef Bay	223
VIIS0041	Genti Bay	228
VIIS0042	Reef Bay	229
VIIS0043	Reef Bay 100 F Off N Shore at Genti 2/2.5 M	237
VIIS0044	Cinnamon Bay	238
VIIS0045	Cinnamon Bay	244
VIIS0046	Cinnamon Bay	246
VIIS0047	Cinnamon Bay 100 Ft Off Pk Beach at Drain 2/4 M	255
VIIS0048	Peter Bay	256
VIIS0049	Fish Bay-100 Ft Off North Shore 1/2.25 M	262
VIIS0050	Fish Bay-100 Ft Off North Shore	263
VIIS0051	Fish Bay	271
VIIS0052	Fish Bay	276
VIIS0053	Rendezvous Bay	278
VIIS0054	Klein Bay	284
VIIS0055	Trunk Bay	285
VIIS0056	Rendevous 100 Ft Off Shore Klein Bay 1.5/2.5 M	291
VIIS0057	Rendevous Bay	292
VIIS0058	Trunk Bay	297
VIIS0059	Trunk Bay-100 Ft Off Park Beach	299
VIIS0060	Trunk Bay-100 Ft Off Park Beach Depth 4.5/6 M	309
VIIS0061	Hawksnest Gibney Beach	310
VIIS0062	Hawksnest Bay	316
VIIS0063	Hawksnest Bay 100 Ft Off Park Beach 4.5/5 M	317
VIIS0064	Hawksnest Bay	318
VIIS0065	Hawksnest Middle Beach	326
VIIS0066	Choc. Hole 100 Ft Off Beach at Drain 1.5/2.5	332
VIIS0067	Chocolate Hole	333
VIIS0068	Chocolate Hole	340
VIIS0069	Chocolate Hole	345
VIIS0070	Caneel Bay	346
VIIS0071	Caneel Bay	348
VIIS0072	Caneel Bay at End of Dock 3/3.5 Meters	354
VIIS0073	Caneel Bay at End of Dock	355
VIIS0074	Great Cruz Bay	363
VIIS0075	Gr. Cruz 100 Ft Off Beach at Drain 1.5/2.5 M	372
VIIS0076	Great Cruz Bay	373
VIIS0077	Henley Cay	379
VIIS0078	Enighed Lagoon	385
VIIS0079	Cruz Bay Creek 50 Ft No of Ramp 2.5/3.5 M	386
VIIS0080	Cruz Bay Creek - NPS Dock	387
VIIS0081	Cruz Bay Creek-50 Ft No of Ramp	392
VIIS0082	Cruz Crk Mouth-50 Ft Off Seaplane Ramp 2.5/3.5 M	403
VIIS0083	Cruz Bay Creek Mouth	404
VIIS0084	Cruz Bay D	415
VIIS0085	Cruz Bay	417
VIIS0086	Cruz Bay Airplane Ramp	428
VIIS0087	Cruz Bay NE(Left)of Perry Pier Cntr 2.5/3 M	433

	VIIS0088 Cruz Bay 50 Ft(Right) of Ferry Pier Cntr 3/3.5M	434
	VIIS0089 Cruz Bay	435
	VIIS0090 Turner Bay	446
	VIIS0091 Cruz Bay Ferry Dock	451
	VIIS0092 Cruz Bay	456
	VIIS0093 Turner Bay	458
	VIIS0094 Turner Bay 50 F Off Drain to Enighed 3.5/4.5 M	467
	VIIS0095 Cruz Bay C	468
	VIIS0096 Cruz Bay A	469
	VIIS0097 Great Cruz Bay	471
	VIIS0098 Great Bay	472
	VIIS0099 Cowpet Bay	473
	VIIS0100 Great Bay	474
	VIIS0101 Great Bay-100 Ft Off Ctr. Beach	475
	EPA Water Quality Criteria Analysis for Entire Park Study Area	487
	NPS Servicewide Inventory and Monitoring Program	
	“Level I” Water Quality Inventory Data Evaluation and Analysis (IDEA)	488
	Water Quality Observations Outside STORET Edit Criteria for Park	492
V.	APPENDICES	493
A.	Computer Files Transmitted With Park Baseline Water Quality Data Inventory and Analysis	A-1
B.	Water Quality Database File Structures	B-1
	Parameter Data File	B-1
	Water Quality Station Data File	B-4
	Industrial Facilities Discharges File	B-6
	Drinking Water Intakes File	B-9
	Water Gage File	B-12
	Water Impoundment File	B-14
	RF3 Structure File	B-18
	RF3 Trace File	B-22
	Catalog Unit Boundary File	B-23
	Encyclopedia File	B-24
C.	STORET Water Quality Control/Edit Checking	C-1
D.	STORET Administrative Parameters	D-1
E.	STORET Parameters Not Suitable for Statistical Analysis	E-1
F.	National EPA Water Quality Criteria Summary	F-1
G.	Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program “Level I” Parameter Groups	G-1
H.	Literature Cited	H-1
I.	Selected General Water Quality References	I-1

INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;
2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;
4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;
5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and
6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+¹ format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses² and with the Servicewide Inventory and

¹The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

²The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Julie Mattick and Scott Hermsen helped prepare the report and write the Executive Summary.

Joe Gregson and Elizabeth Eisenhauer provided digital cartographic support, both in determining retrieval/query areas and producing graphics.

Randy Siddens uploaded water quality data to STORET prior to report preparation.

Jacque Nolan designed the cover.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Vickie Baitinger served as the Production Technician and was responsible for executing the software and procedures to produce the park unit chapters.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Veqvist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STORage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

- (1) Reformat the data into DBASE III+ format and other database structures;
- (2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
- (3) Display on a map the location of water quality monitoring stations and other water resources themes;
- (4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
- (5) Generate descriptive period-of-record water quality statistics in a tabular format;
- (6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
- (7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
- (8) Compare the water quality data against relevant EPA national criteria; and

- (9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

- (A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.
- (B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.
- (C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.
- (D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.
- (E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.
- (F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.
- (G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied.* Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):							
Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval

- (a) STREAM
- (b) CANAL
- (c) LAKE
- (d) RESERV (Reservoir)
- (e) SPRING
- (f) FWTLND (Fresh Water Wetland)
- (g) SWTLND (Salt Water Wetland)
- (h) ESTURY (Estuary)
- (i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

<u>Code</u>	<u>STORET Administrative Parameter Description</u>
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

<u>Media Screen</u>	<u>Description</u>
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:

Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:	
Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value.

Modification/Inclusion:

Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:	
Remark Code	Description of STORET Remark Code
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes	
Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
\$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots	
STORET Parameter Code	STORET Parameter Description
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

<p>Time Series:</p> <p>To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations.</p> <p>Annual Analysis:</p> <p>To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

<p>Annual Analysis:</p> <p>For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

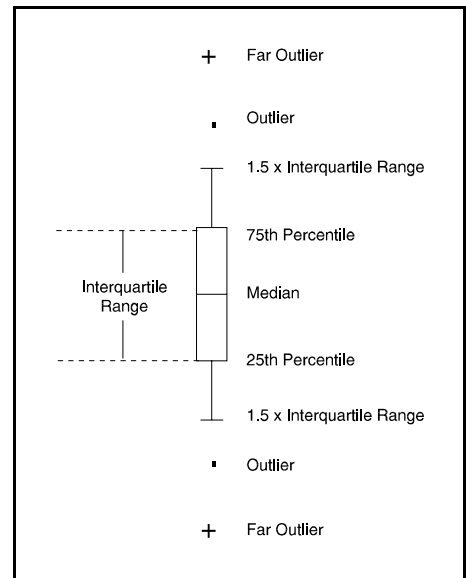
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

- (1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

- (2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.
- (3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from $\mu\text{eq/l H}^+$; and (3) $\mu\text{eq/l H}^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu\text{eq/l H}^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu\text{eq/l H}^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program

Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

<p><u>Required Parameter Groups:</u></p> <p>(1) Alkalinity</p> <p>(2) pH</p> <p>(3) Conductivity</p> <p>(4) Dissolved Oxygen</p> <p>(5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates)</p> <p>(6) Temperature</p> <p>(7) Flow</p> <p><u>Case-By-Case Parameters Groups:</u></p> <p>(8) Toxic Elements</p> <p>(9) Clarity/Turbidity</p> <p>(10) Nitrate/Nitrogen</p> <p>(11) Phosphate/Phosphorus</p> <p>(12) Chlorophyll</p> <p>(13) Sulfates</p> <p>(14) Bacteria</p>

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR VIIS

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	<u>Study Area</u>	<u>Park</u>
GIS Estimated Acreage:	76947	14605
# STORET Stations:	101	47
# Stations With No Data:	6	3
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	51	26
Date of STORET Retrieval:	06/02/95	06/02/95
Period of Record:	01/23/69-01/17/95	01/23/69-01/16/95
# Parameters Measured:	70	68
# Water Quality Observations:	32868	16969
# Industrial/Municipal Facilities:	0	0
# Drinking Water Intakes:	0	0
# Water Gages:	0	0
# Water Impoundments:	0	0
# Total Plots:	146	65
# Time Series:	76	32
# Annual:	0	0
# Seasonal:	70	33

Hydrologic Definition of Seasons:

1. July 1 - December 14
2. December 15 - March 14
3. March 15 - June 30

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 8 years and at least 32 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 8 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

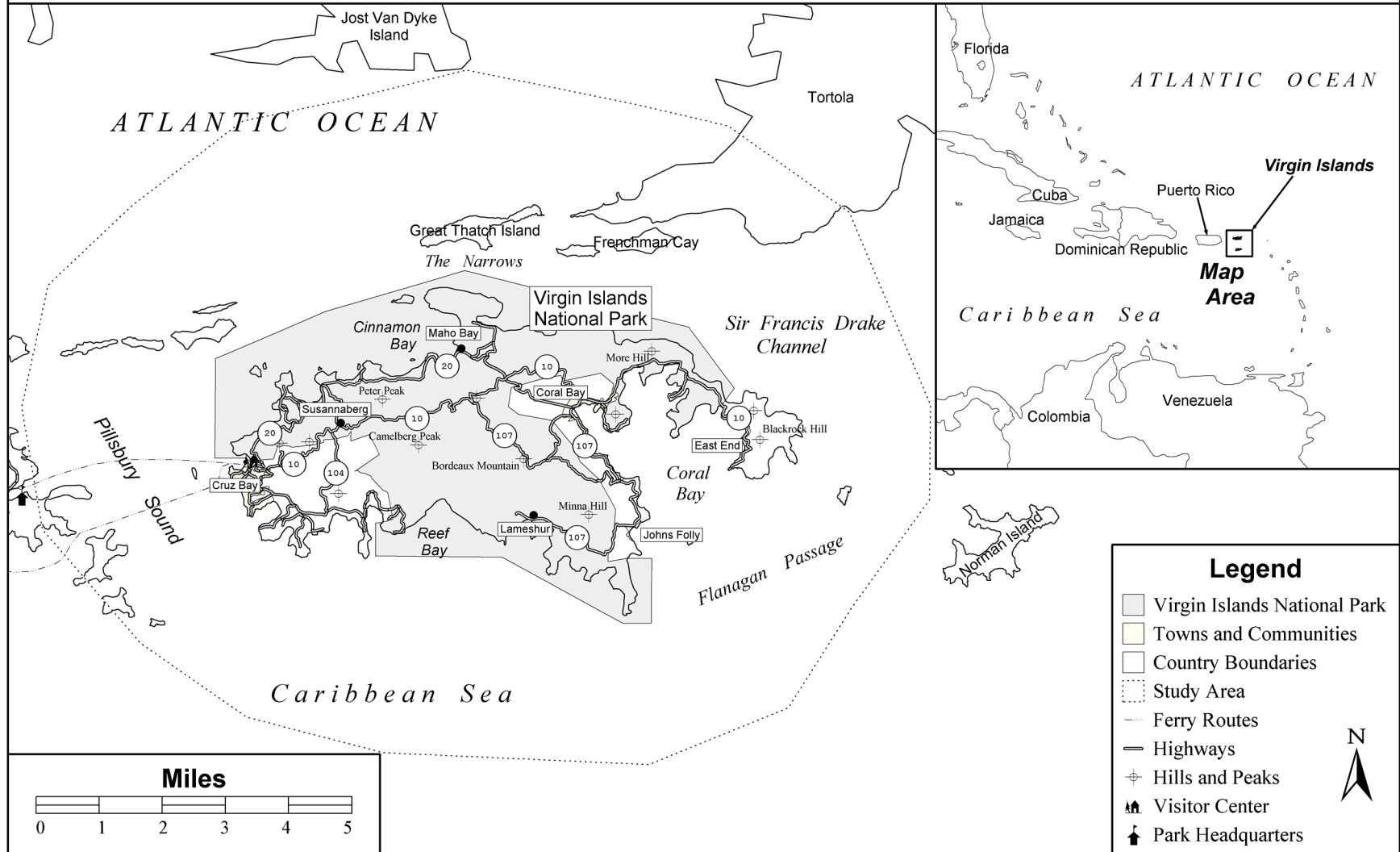
Seasonal Analysis Criteria:

To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 12 years and observations in at least 4 of the 12 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

Virgin Islands National Park

Regional Location Map



Virgin Islands National Park

Water Quality Monitoring Locations










Graphic Panel Index

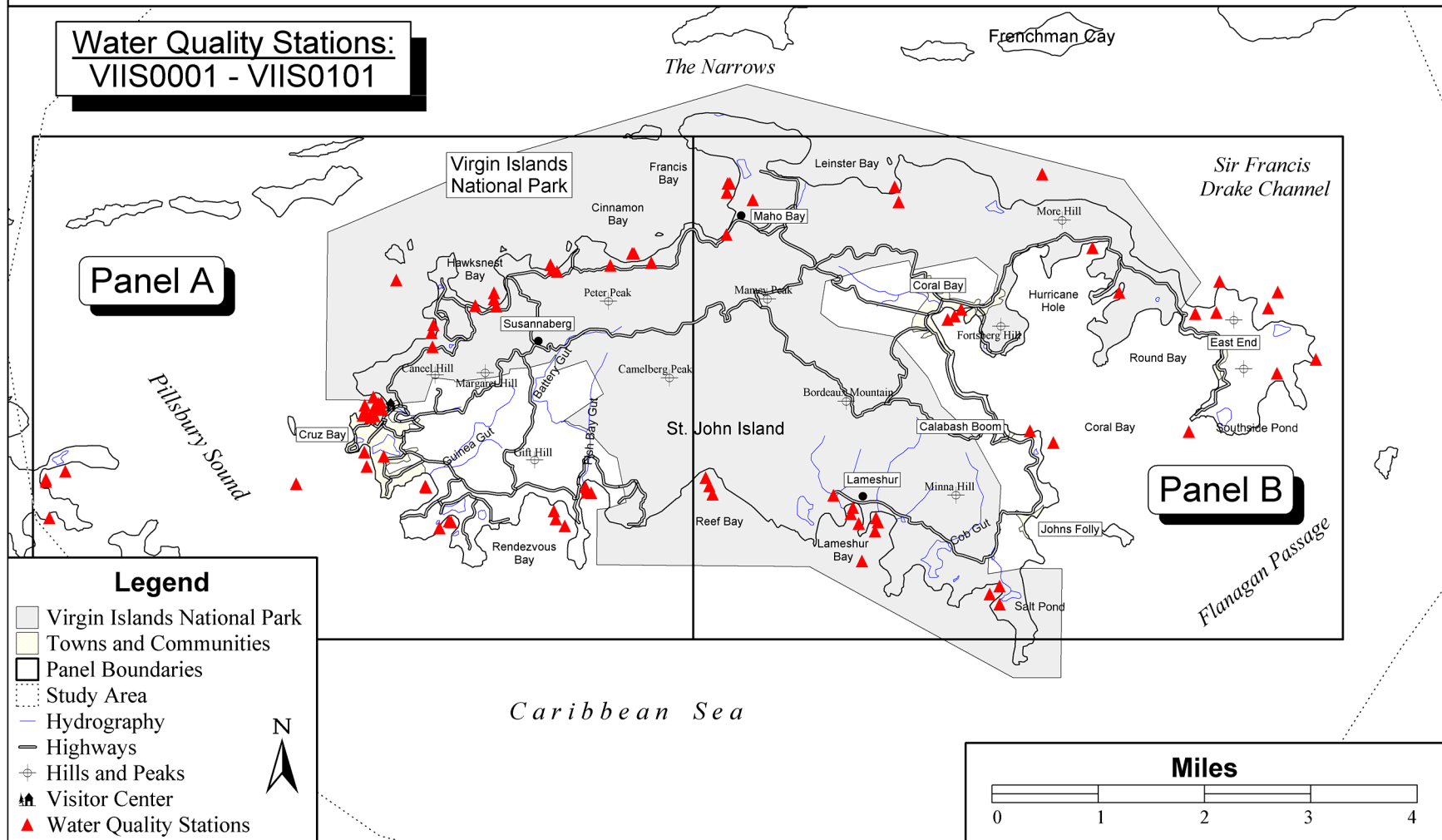
Water Quality Stations:
VIIS0001 - VIIS0101

Panel A

Panel B

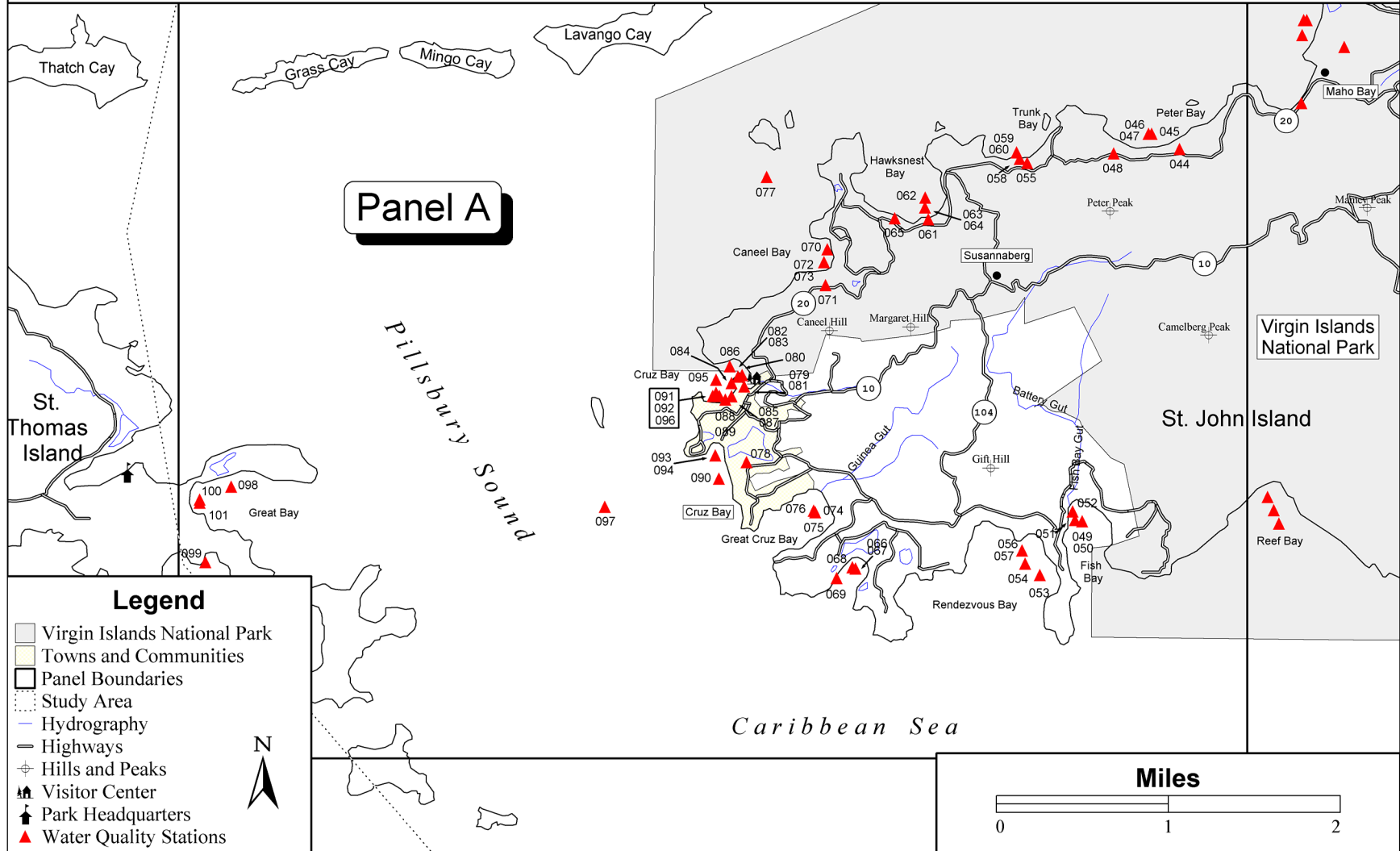
Legend

-  Virgin Islands National Park
-  Towns and Communities
-  Panel Boundaries
-  Study Area
-  Hydrography
-  Highways
-  Hills and Peaks
-  Visitor Center
-  Water Quality Stations



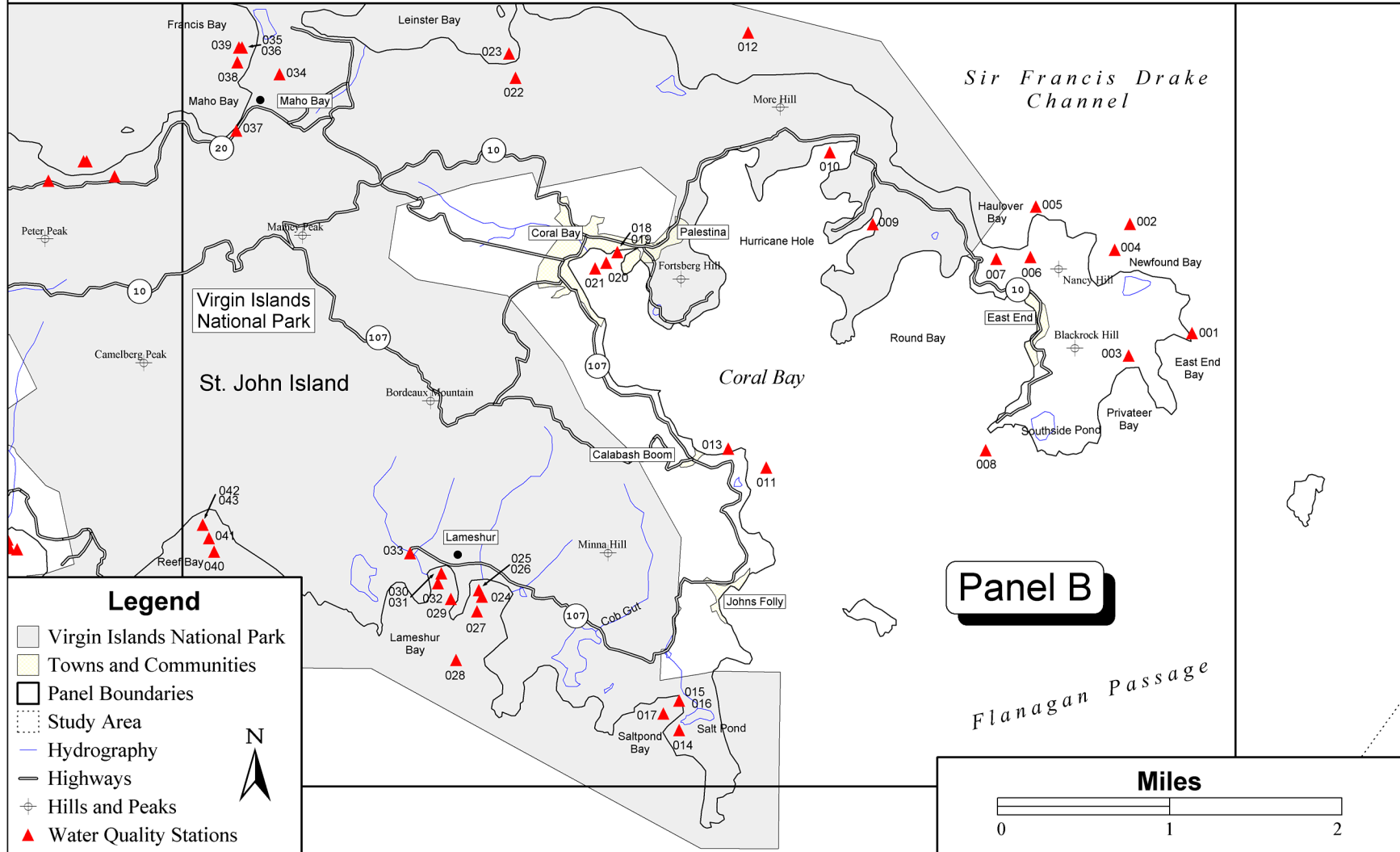
Virgin Islands National Park

Water Quality Monitoring Locations



Virgin Islands National Park

Water Quality Monitoring Locations



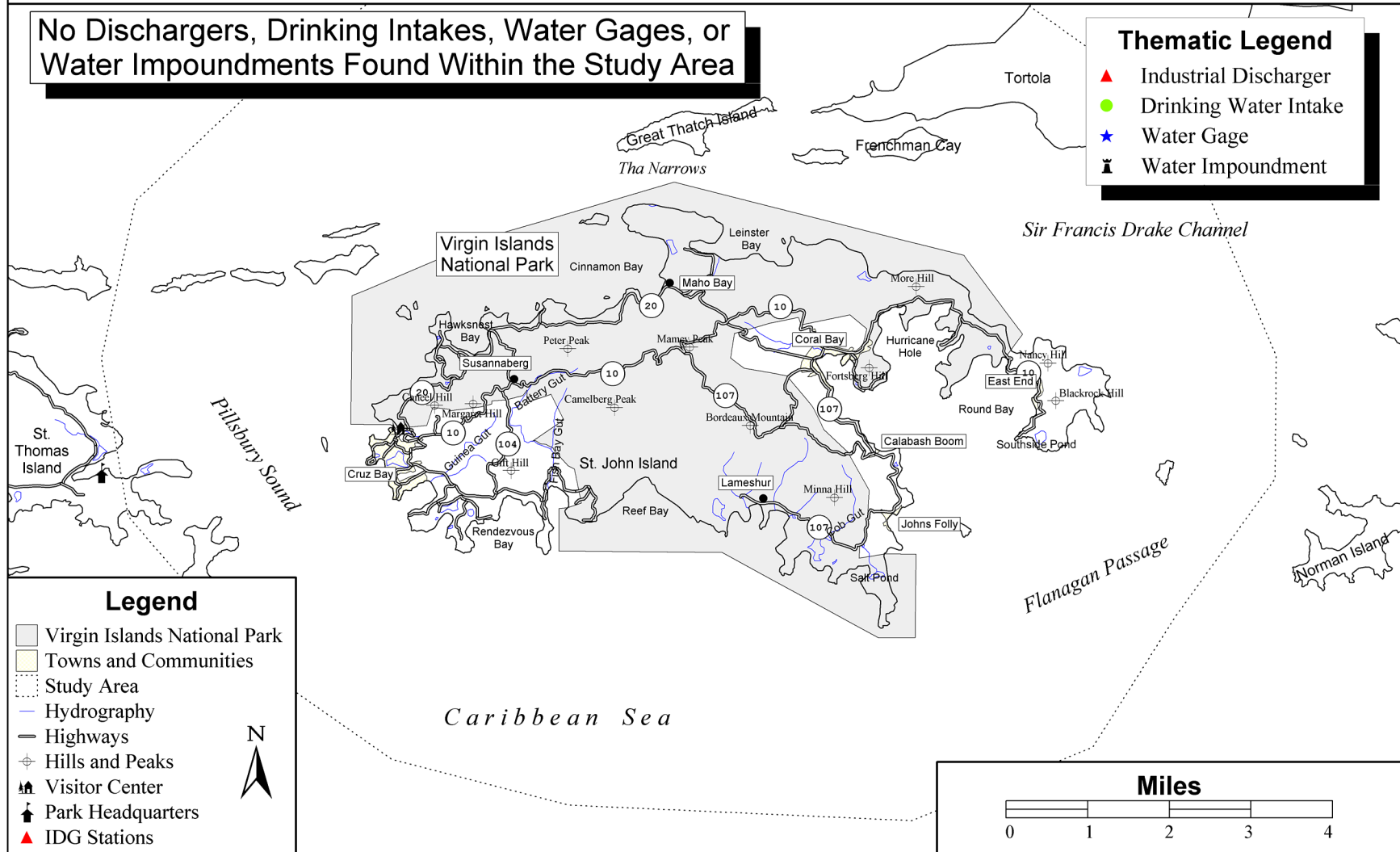
Virgin Islands National Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

No Dischargers, Drinking Intakes, Water Gages, or Water Impoundments Found Within the Study Area

Thematic Legend

- ▲ Industrial Discharger
- Drinking Water Intake
- ★ Water Gage
- ⛑ Water Impoundment



Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the VIIS Study Area

Industrial Facility Discharges

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>Address</u>	<u>City</u>	<u>Facility Receiving Water Name</u>
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No IFD sites available for this study area.

Drinking Water Intakes

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>City</u>	<u>Population Served</u>	<u>Avg. Daily Production (Gal./Day)</u>
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No drinking water intakes available for this study area.

Water Gages

<u>Site ID</u>	<u>Station Name</u>	<u>Site Type</u>	<u>Drainage Area (Square Miles)</u>	<u>Begin Year</u>	<u>End Year</u>
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No stream flow gages available for this study area.

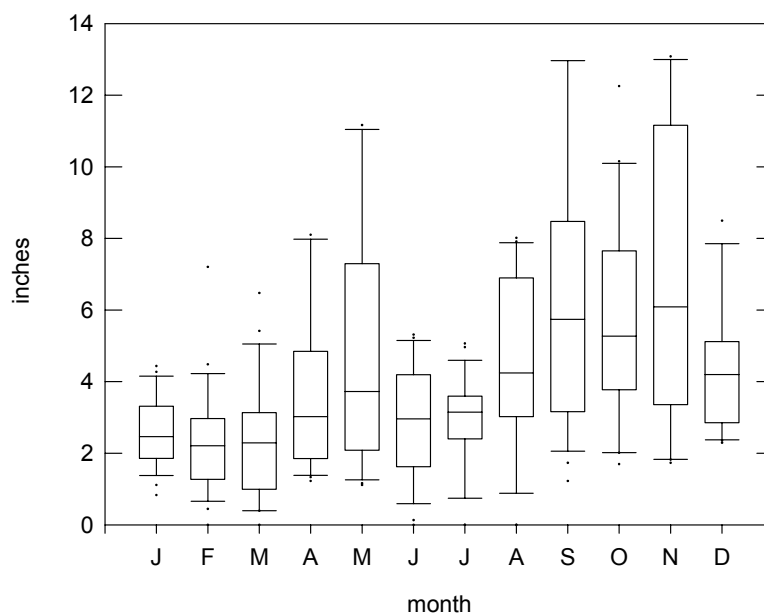
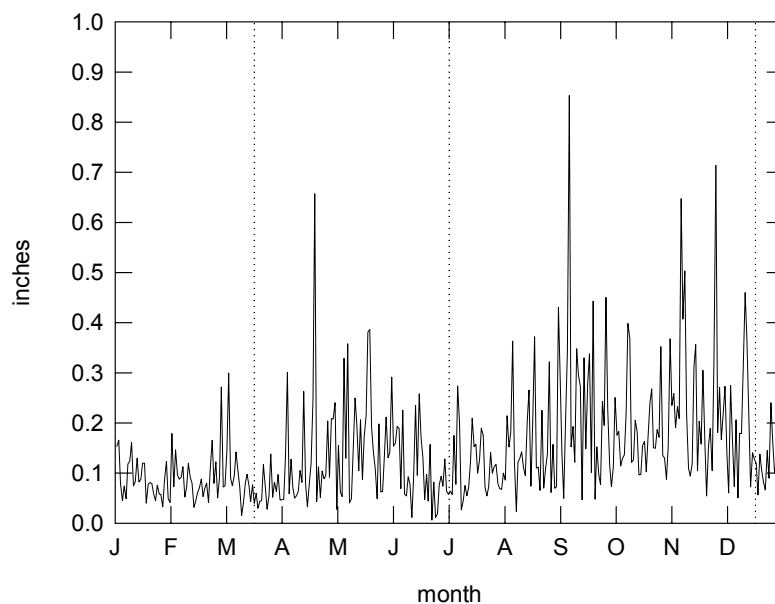
Water Impoundments

<u>Site ID</u>	<u>Impoundment Name</u>	<u>Owner</u>	<u>Primary Purpose</u>	<u>Type of Dam</u>	<u>Downstream Hazard</u>	<u>Year Completed</u>
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No water impoundments available for this study area.

REPRESENTATIVE PRECIPITATION PLOTS FOR SEASONAL ANALYSIS

VIRGIN ISLANDS NATIONAL PARK
Catherinburg station
1348, 19 year record



Plot of average daily precipitation (top) and distribution of monthly precipitation (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Virgin Islands National Park are: Jul. 1 to Dec. 14, Dec. 15 to Mar. 14, and Mar. 15 to Jun. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR VIIS

<u>AGENCY</u>	<u>PRIMARY CONTACT NAME</u>	<u>ORGANIZATION</u>	<u>PHONE NUMBER(S)</u>
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516 (970)225-3518
1111H030	JUTIS, BILL	USEPA REGION 2	(212)264-4753
21VI	JUTIS, BILL	USEPA REGION 2	(212)264-4753

**QUANTITY OF DATA RETRIEVED FOR VIIS BY AGENCY CODE
WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK**

Agency	Organization	Period of Record		Water Quality Stations		Longer Term ¹ Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	Park Only	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park
11NPSWRD	NATIONAL PARK SERVICE	01/28/88-01/17/95	01/28/88-01/16/95	31	16	30	16	0	0	23470	12789	17	17
1111H030	USEPA REGION 2	11/14/72-11/09/79	11/15/72-11/09/79	30	12	0	0	1	0	1221	524	52	50
21VI	USEPA REGION 2	01/23/69-09/30/86	01/23/69-09/30/86	40	19	21	10	5	3	8177	3656	19	18
Totals		01/23/69-01/17/95	01/23/69-01/16/95	101	47	51	26	6	3	32868	16969	70	68

¹Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation From 01/23/69 To 01/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 01/17/95	01/01/75 to 12/31/84	Before 01/01/75
VIIS0001	EAST END BAY	No	54	0	34	20
VIIS0002	NEWFOUND BAY	No	36	0	27	9
VIIS0003	PRIVATEER BAY	No	36	0	27	9
VIIS0004	NEWFOUND BAY	No	429	429	0	0
VIIS0005	NORTH HAULOVER	No	51	0	34	17
VIIS0006	HAULOVER BAY	No	71	71	0	0
VIIS0007	HAULOVER BAY	No	799	799	0	0
VIIS0008	LONG POINT	No	796	796	0	0
VIIS0009	WATER CREEK	No	799	799	0	0
VIIS0010	PRINCESS BAY	No	799	799	0	0
VIIS0011	SABBAT CHANNEL NANNY PT	No	36	0	27	9
VIIS0012	MARY CREEK	Yes	36	0	27	9
VIIS0013	JOHNSON BAY	No	803	803	0	0
VIIS0014	SALTPOND BAY	Yes	800	800	0	0
VIIS0015	SALT POND BAY	Yes	251	50	145	56
VIIS0016	SALT POND BAY 100 F OFF CNTR OF BEACH 2.5/3 M	Yes	0	0	0	0
VIIS0017	SALT POND BAY	Yes	36	0	27	9
VIIS0018	CORAL BAY AT END OF PUBLIC DOCK 1.5/2 METERS	No	0	0	0	0
VIIS0019	CORAL BAY AT END OF PUBLIC DOCK	No	267	71	138	58
VIIS0020	CORAL BAY DOCK	No	795	795	0	0
VIIS0021	CORAL HARBOR	No	54	0	34	20
VIIS0022	LEINSTER BAY	Yes	799	799	0	0
VIIS0023	WATERMELON BAY	Yes	36	0	27	9
VIIS0024	GREAT LAMESHUR BAY	Yes	53	0	34	19
VIIS0025	GREAT LAMESHUR BAY	Yes	260	45	158	57
VIIS0026	GREAT LAMESHUR BAY 50 F OFF END OF DOCK 3/3.5 M	Yes	0	0	0	0
VIIS0027	GREAT LAMESHUR BAY	Yes	797	797	0	0
VIIS0028	YAWSI POINT	Yes	793	793	0	0
VIIS0029	LITTLE LAMESHUR BAY	Yes	796	796	0	0
VIIS0030	LITTLE LAMESHUR BAY	Yes	248	40	150	58
VIIS0031	LITTLE LAMESHUR BAY 100 F OFF PARK BEACH 3/3.5 M	Yes	7	0	7	0
VIIS0032	LITTLE LAMESHUR BAY	Yes	36	0	27	9
VIIS0033	WATER ISLE-SPRAT BAY	Yes	431	28	314	89
VIIS0034	BROWN BAY	Yes	36	0	27	9
VIIS0035	FRANCIS BAY-100 FT OFF BEACH	Yes	235	36	199	0
VIIS0036	FRANCIS BAY-100 FT OFF BEACH 5/7 M	Yes	119	0	119	0
VIIS0037	MAHO BAY	Yes	806	806	0	0
VIIS0038	FRANCIS BAY	Yes	800	800	0	0
VIIS0039	FRANCIS BAY	Yes	54	0	34	20
VIIS0040	REEF BAY	Yes	795	795	0	0
VIIS0041	GENTI BAY	Yes	31	0	27	4
VIIS0042	REEF BAY	Yes	258	30	158	70
VIIS0043	REEF BAY 100 F OFF N SHORE AT GENTI 2/2.5 M	Yes	121	0	121	0
VIIS0044	CINNAMON BAY	Yes	804	804	0	0
VIIS0045	CINNAMON BAY	Yes	54	0	34	20
VIIS0046	CINNAMON BAY	Yes	343	37	235	71
VIIS0047	CINNAMON BAY 100 FT OFF PK BEACH AT DRAIN 2/4 M	Yes	94	0	94	0
VIIS0048	PETER BAY	Yes	803	803	0	0
VIIS0049	FISH BAY-100 FT OFF NORTH SHORE 1/2.25 M	No	121	0	121	0
VIIS0050	FISH BAY-100 FT OFF NORTH SHORE	No	275	36	186	53
VIIS0051	FISH BAY	No	788	788	0	0
VIIS0052	FISH BAY	No	54	0	34	20
VIIS0053	RENDEZVOUS BAY	No	775	775	0	0
VIIS0054	KLEIN BAY	No	31	0	27	4
VIIS0055	TRUNK BAY	Yes	800	800	0	0
VIIS0056	RENDEVOUS 100 FT OFF SHORE KLEIN BAY 1.5/2.5 M	No	110	0	110	0
VIIS0057	RENDEVOUS BAY	No	250	26	164	60
VIIS0058	TRUNK BAY	Yes	64	0	55	9
VIIS0059	TRUNK BAY-100 FT OFF PARK BEACH	Yes	368	38	248	82
VIIS0060	TRUNK BAY-100 FT OFF PARK BEACH DEPTH 4.5/6 M	Yes	131	0	131	0
VIIS0061	HAWKSNEST GIBNEY BEACH	Yes	806	806	0	0
VIIS0062	HAWKSNEST BAY	Yes	36	0	27	9
VIIS0063	HAWKSNEST BAY 100 FT OFF PARK BEACH 4.5/5 M	Yes	120	0	120	0
VIIS0064	HAWKSNEST BAY	Yes	339	32	235	72
VIIS0065	HAWKSNEST MIDDLE BEACH	Yes	802	802	0	0
VIIS0066	CHOC. HOLE 100 FT OFF BEACH AT DRAIN 1.5/2.5	No	120	0	120	0
VIIS0067	CHOCOLATE HOLE	No	273	26	178	69
VIIS0068	CHOCOLATE HOLE	No	773	773	0	0
VIIS0069	CHOCOLATE HOLE	No	31	0	27	4
VIIS0070	CANEEL BAY	Yes	52	0	33	19
VIIS0071	CANEEL BAY	Yes	808	808	0	0

Station Period of Record Tabulation From 01/23/69 To 01/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 01/17/95	01/01/75 to 12/31/84	Before 01/01/75
VHS0072	CANEEL BAY AT END OF DOCK 3/3.5 METERS	Yes	0	0	0	0
VHS0073	CANEEL BAY AT END OF DOCK	Yes	331	41	213	77
VHS0074	GREAT CRUZ BAY	No	273	36	169	68
VHS0075	GR. CRUZ 100 FT OFF BEACH AT DRAIN 1.5/2.5 M	No	94	0	94	0
VHS0076	GREAT CRUZ BAY	No	764	764	0	0
VHS0077	HENLEY CAY	Yes	807	807	0	0
VHS0078	ENIGHED LAGOON	No	0	0	0	0
VHS0079	CRUZ BAY CREEK 50 FT NO OF RAMP 2.5/3.5 M	No	116	0	116	0
VHS0080	CRUZ BAY CREEK - NPS DOCK	No	749	749	0	0
VHS0081	CRUZ BAY CREEK-50 FT NO OF RAMP	No	429	66	266	97
VHS0082	CRUZ CRK MOUTH-50 FT OFF SEAPLANE RAMP 2.5/3.5 M	No	117	0	117	0
VHS0083	CRUZ BAY CREEK MOUTH	No	389	40	252	97
VHS0084	CRUZ BAY D	No	60	0	41	19
VHS0085	CRUZ BAY	No	362	46	221	95
VHS0086	CRUZ BAY AIRPLANE RAMP	Yes	773	773	0	0
VHS0087	CRUZ BAY NE(LEFT)OF PERRY PIER CNTR 2.5/3 M	No	0	0	0	0
VHS0088	CRUZ BAY 50 FT(RIGHT) OF FERRY PIER CNTR 3/3.5M	No	110	0	110	0
VHS0089	CRUZ BAY	No	371	38	240	93
VHS0090	TURNER BAY	No	768	768	0	0
VHS0091	CRUZ BAY FERRY DOCK	No	773	773	0	0
VHS0092	CRUZ BAY	No	46	0	27	19
VHS0093	TURNER BAY	No	324	62	188	74
VHS0094	TURNER BAY 50 F OFF DRAIN TO ENIGHED 3.5/4.5 M	No	87	0	87	0
VHS0095	CRUZ BAY C	No	36	0	27	9
VHS0096	CRUZ BAY A	No	49	0	40	9
VHS0097	GREAT CRUZ BAY	No	30	0	26	4
VHS0098	GREAT BAY	No	34	0	26	8
VHS0099	COWPET BAY	No	33	0	25	8
VHS0100	GREAT BAY	No	26	0	26	0
VHS0101	GREAT BAY-100 FT OFF CTR. BEACH	No	433	28	304	101

¹Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation **From 01/23/69 To 01/17/95**

Parameter Code	Name	Total Obs	01/01/85 to 01/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	111	0	59	52	30	12
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3104	2044	806	254	95	44
00032	CLOUD COVER (PERCENT)	2049	1906	143	0	46	22
00035	WIND VELOCITY (MILES PER HOUR)	2039	1892	147	0	46	22
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	142	0	142	0	15	6
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')	2020	1872	148	0	46	22
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	1363	1363	0	0	31	16
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	814	0	583	231	21	10
00078	TRANSPARENCY, SECCHI DISC (METERS)	2890	1903	787	200	94	44
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	1756	1756	0	0	31	16
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	535	0	535	0	35	16
00300	OXYGEN, DISSOLVED MG/L	2600	2044	266	290	81	38
00400	PH (STANDARD UNITS)	918	0	719	199	35	16
00406	PH, FIELD, STANDARD UNITS SU	1771	1771	0	0	31	16
00480	SALINITY - PARTS PER THOUSAND	2874	1897	808	169	95	44
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	89	32	57	0	43	19
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	368	368	0	0	31	16
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	58	0	58	0	29	12
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	368	368	0	0	31	16
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	95	37	58	0	44	20
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	368	368	0	0	31	16
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	107	36	62	9	44	20
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	67	0	58	9	29	12
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	368	368	0	0	31	16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	107	36	62	9	44	20
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	368	368	0	0	31	16
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	64	0	58	6	29	12
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	1	0	1	0	1	1
01027	CADMIUM, TOTAL (UG/L AS CD)	20	0	10	10	11	4
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	3	0	3	0	3	1
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	3	0	3	0	3	1
01034	CHROMIUM, TOTAL (UG/L AS CR)	20	0	10	10	11	4
01042	COPPER, TOTAL (UG/L AS CU)	20	0	10	10	11	4
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	3	0	3	0	3	1
01051	LEAD, TOTAL (UG/L AS PB)	20	0	10	10	11	4
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	3	0	3	0	3	1
01092	ZINC, TOTAL (UG/L AS ZN)	20	0	10	10	11	4
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	2	0	2	0	2	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	19	0	9	10	11	4
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	2	0	2	0	2	0
31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	110	0	58	52	29	12
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	1137	124	803	210	64	28
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	52	0	0	52	28	12
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	18	0	0	18	7	2
34267	BENZO(C)PYRENE,TOTAL UG/L	1	0	1	0	1	1
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	1	0	1	0	1	1
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	1	0	1	0	1	1
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	1	0	1	0	1	1
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	1	0	1	0	1	1
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	1	0	1	0	1	1
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	1	0	1	0	1	1
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	1	0	1	0	1	1
39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	1	0	1	0	1	1
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	1	0	1	0	1	1
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	1	0	1	0	1	1
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	1	0	1	0	1	1
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	1	0	1	0	1	1
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	1	0	1	0	1	1
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	1	0	1	0	1	1
39701	HEXACHLORO BENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
71900	MERCURY, TOTAL (UG/L AS HG)	20	0	10	10	11	4
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	2	0	2	0	2	1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	2065	1876	189	0	66	32
82903	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1893	1893	0	0	31	16

Station/Parameter Period of Record Tabulation **From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/10/91-10/26/94	3	32	
VHS0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/94-10/26/94	0	4	
VHS0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0012	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0014	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0015	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	13	36	
VHS0017	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	13	35	
VHS0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0022	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0023	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0024	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0025	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	13	37	
VHS0027	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0028	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0029	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0030	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	13	36	
VHS0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-11/09/79	0	1	
VHS0032	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0033	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/19/85	16	56	
VHS0034	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0035	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/75-03/18/86	10	33	
VHS0036	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-09/30/80	0	11	
VHS0037	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0038	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0039	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0040	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0041	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	0	2	
VHS0042	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-01/23/86	13	37	
VHS0043	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	0	11	
VHS0044	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0045	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0046	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	13	51	
VHS0047	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-07/23/80	0	9	
VHS0048	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	0	11	
VHS0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/73-01/23/86	12	38	
VHS0051	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	65	
VHS0052	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	64	
VHS0054	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	0	2	
VHS0055	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0056	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	0	10	
VHS0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/73-01/23/86	12	36	
VHS0058	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0059	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-03/18/86	17	53	
VHS0060	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/79-09/30/80	0	12	
VHS0061	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0063	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/79-09/30/80	0	11	
VHS0064	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	13	50	
VHS0065	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0066	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	0	11	
VHS0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-01/23/86	13	42	
VHS0068	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	64	
VHS0069	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	0	2	
VHS0070	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0071	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0073	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	13	48	
VHS0074	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/11/73-01/23/86	13	39	
VHS0075	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-09/11/80	0	9	
VHS0076	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	63	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0077	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	66	
VHS0079	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-09/30/80	0	11	
VHS0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	62	
VHS0081	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	17	59	
VHS0082	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-09/30/80	0	11	
VHS0083	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	17	58	
VHS0084	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-03/18/86	17	54	
VHS0086	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	64	
VHS0088	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/79-09/30/80	0	10	
VHS0089	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	17	56	
VHS0090	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	64	
VHS0091	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	64	
VHS0092	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0093	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	13	45	
VHS0094	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/80-09/30/80	0	8	
VHS0095	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0096	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	6	3	
VHS0097	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	0	2	
VHS0098	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/79-11/06/79	0	1	
VHS0099	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/79-11/06/79	0	1	
VHS0100	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/79-11/06/79	0	1	
VHS0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/11/85	16	60	
VHS0004	No	00032	CLOUD COVER (PERCENT)	10/10/91-10/26/94	3	32	
VHS0006	No	00032	CLOUD COVER (PERCENT)	01/28/94-10/26/94	0	4	
VHS0007	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0008	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0009	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0010	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0013	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0014	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0020	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	63	
VHS0022	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	64	
VHS0027	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0028	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0029	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	64	
VHS0033	Yes	00032	CLOUD COVER (PERCENT)	10/22/79-11/05/80	1	10	
VHS0036	Yes	00032	CLOUD COVER (PERCENT)	11/07/79-09/30/80	0	10	
VHS0037	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0038	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	63	
VHS0040	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0043	Yes	00032	CLOUD COVER (PERCENT)	11/07/79-11/06/80	0	11	
VHS0044	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0047	Yes	00032	CLOUD COVER (PERCENT)	12/12/79-07/23/80	0	8	
VHS0048	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0049	No	00032	CLOUD COVER (PERCENT)	11/07/79-11/06/80	0	11	
VHS0051	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0053	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	62	
VHS0055	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0056	No	00032	CLOUD COVER (PERCENT)	11/07/79-11/06/80	0	10	
VHS0060	Yes	00032	CLOUD COVER (PERCENT)	10/11/79-09/30/80	0	11	
VHS0061	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0063	Yes	00032	CLOUD COVER (PERCENT)	11/17/79-09/30/80	0	11	
VHS0065	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	65	
VHS0066	No	00032	CLOUD COVER (PERCENT)	11/07/79-11/06/80	0	11	
VHS0068	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	62	
VHS0071	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0075	No	00032	CLOUD COVER (PERCENT)	11/07/79-08/19/80	0	8	
VHS0076	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	62	
VHS0077	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	66	
VHS0079	No	00032	CLOUD COVER (PERCENT)	12/12/79-09/30/80	0	9	
VHS0080	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	60	
VHS0082	No	00032	CLOUD COVER (PERCENT)	12/12/79-09/30/80	0	9	
VHS0086	Yes	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	64	
VHS0088	No	00032	CLOUD COVER (PERCENT)	11/17/79-09/30/80	0	10	
VHS0090	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	64	
VHS0091	No	00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	64	
VHS0094	No	00032	CLOUD COVER (PERCENT)	01/21/80-09/30/80	0	8	
VHS0101	No	00032	CLOUD COVER (PERCENT)	04/28/80-08/19/82	2	6	
VHS0004	No	00035	WIND VELOCITY (MILES PER HOUR)	10/10/91-10/26/94	3	30	
VHS0006	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/94-10/26/94	0	4	
VHS0007	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	65	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 01/23/69 To 01/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0008	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0009	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0010	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	65	
VHS0013	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0014	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	65	
VHS0020	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	63	
VHS0022	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	64	
VHS0027	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	65	
VHS0028	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	65	
VHS0029	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	64	
VHS0033	Yes	00035	WIND VELOCITY (MILES PER HOUR)	10/22/79-11/05/80	1	10	
VHS0036	Yes	00035	WIND VELOCITY (MILES PER HOUR)	11/07/79-09/30/80	0	11	
VHS0037	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0038	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	63	
VHS0040	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	64	
VHS0043	Yes	00035	WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	0	11	
VHS0044	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0047	Yes	00035	WIND VELOCITY (MILES PER HOUR)	12/12/79-07/23/80	0	8	
VHS0048	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0049	No	00035	WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	0	11	
VHS0051	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	63	
VHS0053	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	62	
VHS0055	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	65	
VHS0056	No	00035	WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	0	10	
VHS0060	Yes	00035	WIND VELOCITY (MILES PER HOUR)	10/11/79-09/30/80	0	12	
VHS0061	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0063	Yes	00035	WIND VELOCITY (MILES PER HOUR)	11/17/79-09/30/80	0	11	
VHS0065	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	64	
VHS0066	No	00035	WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	0	11	
VHS0068	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	61	
VHS0071	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0075	No	00035	WIND VELOCITY (MILES PER HOUR)	11/07/79-08/19/80	0	8	
VHS0076	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	61	
VHS0077	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	66	
VHS0079	No	00035	WIND VELOCITY (MILES PER HOUR)	12/12/79-09/30/80	0	10	
VHS0080	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	59	
VHS0082	No	00035	WIND VELOCITY (MILES PER HOUR)	12/12/79-09/30/80	0	10	
VHS0086	Yes	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	62	
VHS0088	No	00035	WIND VELOCITY (MILES PER HOUR)	11/17/79-09/30/80	0	10	
VHS0090	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	62	
VHS0091	No	00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	62	
VHS0094	No	00035	WIND VELOCITY (MILES PER HOUR)	01/21/80-09/30/80	0	8	
VHS0101	No	00035	WIND VELOCITY (MILES PER HOUR)	04/28/80-08/19/82	2	6	
VHS0004	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10/10/91-10/26/94	3	25	
VHS0006	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/28/94-10/26/94	0	4	
VHS0007	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	48	
VHS0008	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0009	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0010	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	5	47	
VHS0013	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	5	47	
VHS0014	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	47	
VHS0020	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	5	47	
VHS0022	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	5	47	
VHS0027	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0028	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	45	
VHS0029	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	48	
VHS0037	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	48	
VHS0038	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0040	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0044	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0048	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	5	47	
VHS0051	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0053	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	45	
VHS0055	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0061	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	5	47	
VHS0065	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0068	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	44	
VHS0071	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	49	
VHS0076	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	45	
VHS0077	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	46	
VHS0080	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	41	
VHS0086	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	5	44	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0090	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	44	
VHIS0091	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	5	44	
VHIS0015	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	6	28	
VHIS0019	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/20/79	6	28	
VHIS0025	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	6	31	
VHIS0030	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/27/73-10/02/79	6	29	
VHIS0033	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/30/72-09/24/79	6	40	
VHIS0035	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/13/75-10/11/79	4	27	
VHIS0042	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	6	33	
VHIS0046	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/11/79	6	44	
VHIS0050	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	6	33	
VHIS0057	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	6	32	
VHIS0059	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	10	47	T
VHIS0064	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/11/79	6	44	
VHIS0067	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	6	35	
VHIS0073	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	6	41	
VHIS0074	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/11/73-10/02/79	6	34	
VHIS0081	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	10	53	T
VHIS0083	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	10	52	T
VHIS0085	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	10	48	T
VHIS0089	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	10	50	T
VHIS0093	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	6	37	
VHIS0101	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-02/26/80	11	48	T
VHIS0001	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0002	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0003	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0004	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/10/91-10/26/94	3	30	
VHIS0005	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0006	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/94-10/26/94	0	4	
VHIS0007	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0008	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	58	
VHIS0009	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	60	
VHIS0010	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0011	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0012	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0013	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0014	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0015	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	36	T,S
VHIS0017	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0019	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	35	T,S
VHIS0020	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	62	
VHIS0021	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0022	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	59	
VHIS0023	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0024	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0025	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	37	T,S
VHIS0027	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	62	
VHIS0028	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0029	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0030	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	35	T,S
VHIS0031	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-11/09/79	0	1	
VHIS0032	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0033	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/30/72-12/19/85	13	56	T,S
VHIS0034	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0035	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/13/75-03/18/86	10	34	T
VHIS0036	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-09/30/80	0	11	
VHIS0037	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0038	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0039	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0040	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	63	
VHIS0041	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0042	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-01/23/86	13	37	T,S
VHIS0043	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	0	11	
VHIS0044	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0045	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0046	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	13	50	T,S
VHIS0047	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-07/23/80	0	9	
VHIS0048	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	59	
VHIS0049	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	0	11	
VHIS0050	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/09/73-01/23/86	12	39	T,S
VHIS0051	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	62	
VHIS0052	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0053	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	60	
VHIS0054	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0055	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0056	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	0	10	
VHIS0057	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/09/73-01/23/86	12	37	T
VHIS0058	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0059	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	13	51	T,S
VHIS0060	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/11/79-09/30/80	0	12	
VHIS0061	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0062	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0063	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/17/79-09/30/80	0	11	
VHIS0064	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	13	49	T,S
VHIS0065	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0066	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	0	11	
VHIS0067	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/11/73-01/23/86	13	40	T,S
VHIS0068	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0069	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0070	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0071	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	62	
VHIS0073	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-06/20/86	13	49	T,S
VHIS0074	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/11/73-01/23/86	13	39	T,S
VHIS0075	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-09/11/80	0	9	
VHIS0076	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	59	
VHIS0077	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	62	
VHIS0079	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-09/30/80	0	11	
VHIS0080	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	55	
VHIS0081	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	55	T,S
VHIS0082	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-09/30/80	0	11	
VHIS0083	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	54	T,S
VHIS0084	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0085	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	47	T,S
VHIS0086	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	61	
VHIS0088	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/17/79-09/30/80	0	10	
VHIS0089	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	52	T,S
VHIS0090	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	60	
VHIS0091	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	60	
VHIS0092	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0093	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	45	T,S
VHIS0094	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/21/80-09/30/80	0	8	
VHIS0095	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0096	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0097	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	0	1	
VHIS0098	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/06/79-11/06/79	0	1	
VHIS0100	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/06/79-11/06/79	0	1	
VHIS0101	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/27/72-12/11/85	12	58	T,S
VHIS0004	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	10/10/91-10/26/94	3	32	
VHIS0006	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/28/94-10/26/94	0	4	
VHIS0007	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0008	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0009	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0010	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0013	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0014	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0020	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0022	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0027	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0028	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0029	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0037	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	59	
VHIS0038	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0040	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0044	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0048	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0051	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	59	
VHIS0053	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	58	
VHIS0055	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0061	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0065	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0068	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	58	
VHIS0071	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	
VHIS0076	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	57	
VHIS0077	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	60	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 01/23/69 To 01/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0080	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	56	
VHS0086	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	57	
VHS0090	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	58	
VHS0091	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	58	
VHS0015	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/03/77-10/02/79	1	14	
VHS0019	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-09/20/79	2	15	
VHS0025	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	2	16	
VHS0030	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	2	15	
VHS0031	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-11/09/79	0	1	
VHS0033	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/26/77-11/05/80	3	23	
VHS0035	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	23	
VHS0036	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-09/30/80	0	11	
VHS0042	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	2	15	
VHS0043	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	0	11	
VHS0046	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	22	
VHS0047	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-07/23/80	0	9	
VHS0049	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	0	11	
VHS0050	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	2	17	
VHS0056	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	0	10	
VHS0057	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	2	15	
VHS0059	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	23	
VHS0060	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/79-09/30/80	0	12	
VHS0063	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/17/79-09/30/80	0	11	
VHS0064	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	23	
VHS0066	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	0	11	
VHS0067	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	2	15	
VHS0073	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-09/26/79	2	20	
VHS0074	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	2	15	
VHS0075	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-09/11/80	0	9	
VHS0079	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-09/30/80	0	11	
VHS0081	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	23	
VHS0082	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-09/30/80	0	11	
VHS0083	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	22	
VHS0085	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	21	
VHS0088	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/17/79-09/30/80	0	10	
VHS0089	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	2	22	
VHS0093	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/03/77-09/26/79	1	16	
VHS0094	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/80-09/30/80	0	8	
VHS0101	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/78-12/16/82	4	24	
VHS0001	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0002	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0003	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0004	No	00300	OXYGEN, DISSOLVED MG/L	10/10/91-10/26/94	3	32	
VHS0005	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0006	No	00300	OXYGEN, DISSOLVED MG/L	01/28/94-10/26/94	0	4	
VHS0007	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0008	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0009	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0010	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0011	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0012	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0013	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0014	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0015	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	13	22	S
VHS0017	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0019	No	00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	13	20	S
VHS0020	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0021	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0022	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0023	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0024	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0025	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	13	21	S
VHS0027	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0028	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0029	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0030	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	13	21	S
VHS0032	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0033	Yes	00300	OXYGEN, DISSOLVED MG/L	01/23/69-12/19/85	16	33	T,S
VHS0034	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VHS0035	Yes	00300	OXYGEN, DISSOLVED MG/L	06/13/75-03/18/86	10	10	
VHS0037	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VHS0038	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VIIS0039	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0040	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0041	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	3	
VIIS0042	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/73-01/23/86	13	22	
VIIS0044	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0045	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0046	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/73-03/18/86	13	28	S
VIIS0048	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0050	No	00300	OXYGEN, DISSOLVED MG/L	05/09/73-01/23/86	12	21	
VIIS0051	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	65	
VIIS0052	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0053	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	64	
VIIS0054	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	3	
VIIS0055	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0057	No	00300	OXYGEN, DISSOLVED MG/L	05/09/73-01/23/86	12	21	
VIIS0058	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0059	Yes	00300	OXYGEN, DISSOLVED MG/L	01/23/69-03/18/86	17	30	S
VIIS0061	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0062	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0064	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/73-03/18/86	13	26	
VIIS0065	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0067	No	00300	OXYGEN, DISSOLVED MG/L	01/03/73-01/23/86	13	26	
VIIS0068	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	64	
VIIS0069	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	3	
VIIS0070	Yes	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0071	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0073	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/73-03/18/86	13	28	
VIIS0074	No	00300	OXYGEN, DISSOLVED MG/L	01/11/73-01/23/86	13	24	S
VIIS0076	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	63	
VIIS0077	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	66	
VIIS0080	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	62	
VIIS0081	No	00300	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	17	36	T,S
VIIS0083	No	00300	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	17	36	T,S
VIIS0084	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0085	No	00300	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	17	33	T,S
VIIS0086	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	64	
VIIS0089	No	00300	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	17	34	T,S
VIIS0090	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	64	
VIIS0091	No	00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	64	
VIIS0092	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0093	No	00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	13	29	S
VIIS0095	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0096	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	4	
VIIS0097	No	00300	OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	6	3	
VIIS0098	No	00300	OXYGEN, DISSOLVED MG/L	11/14/72-11/08/79	6	4	
VIIS0099	No	00300	OXYGEN, DISSOLVED MG/L	11/14/72-11/08/79	6	4	
VIIS0100	No	00300	OXYGEN, DISSOLVED MG/L	11/06/79-11/08/79	0	2	
VIIS0101	No	00300	OXYGEN, DISSOLVED MG/L	01/23/69-12/11/85	16	37	T,S
VIIS0015	Yes	00400	PH (STANDARD UNITS)	01/03/73-10/02/79	6	27	
VIIS0019	No	00400	PH (STANDARD UNITS)	01/03/73-09/20/79	6	26	
VIIS0025	Yes	00400	PH (STANDARD UNITS)	01/03/73-10/02/79	6	29	
VIIS0030	Yes	00400	PH (STANDARD UNITS)	01/03/73-10/02/79	6	28	
VIIS0031	Yes	00400	PH (STANDARD UNITS)	11/09/79-11/09/79	0	1	
VIIS0033	Yes	00400	PH (STANDARD UNITS)	11/30/72-11/05/80	7	51	
VIIS0035	Yes	00400	PH (STANDARD UNITS)	06/13/75-10/11/79	4	27	
VIIS0036	Yes	00400	PH (STANDARD UNITS)	11/07/79-09/30/80	0	11	
VIIS0042	Yes	00400	PH (STANDARD UNITS)	01/03/73-10/02/79	6	31	
VIIS0043	Yes	00400	PH (STANDARD UNITS)	11/07/79-11/06/80	0	11	
VIIS0046	Yes	00400	PH (STANDARD UNITS)	01/03/73-10/11/79	6	43	
VIIS0047	Yes	00400	PH (STANDARD UNITS)	11/09/79-07/23/80	0	9	
VIIS0049	No	00400	PH (STANDARD UNITS)	11/07/79-11/06/80	0	11	
VIIS0050	No	00400	PH (STANDARD UNITS)	05/09/73-10/02/79	6	32	
VIIS0056	No	00400	PH (STANDARD UNITS)	11/07/79-11/06/80	0	10	
VIIS0057	No	00400	PH (STANDARD UNITS)	05/09/73-10/02/79	6	31	
VIIS0059	Yes	00400	PH (STANDARD UNITS)	01/03/73-10/11/79	6	44	
VIIS0060	Yes	00400	PH (STANDARD UNITS)	10/11/79-09/30/80	0	12	
VIIS0063	Yes	00400	PH (STANDARD UNITS)	11/17/79-09/30/80	0	10	
VIIS0064	Yes	00400	PH (STANDARD UNITS)	01/03/73-10/11/79	6	42	
VIIS0066	No	00400	PH (STANDARD UNITS)	11/07/79-11/06/80	0	11	
VIIS0067	No	00400	PH (STANDARD UNITS)	01/11/73-10/02/79	6	34	
VIIS0073	Yes	00400	PH (STANDARD UNITS)	01/03/73-09/26/79	6	40	
VIIS0074	No	00400	PH (STANDARD UNITS)	01/11/73-10/02/79	6	32	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0075	No	00400	PH (STANDARD UNITS)	11/07/79-09/11/80	0	9	
VHIS0079	No	00400	PH (STANDARD UNITS)	11/09/79-09/30/80	0	11	
VHIS0081	No	00400	PH (STANDARD UNITS)	01/03/73-10/11/79	6	47	
VHIS0082	No	00400	PH (STANDARD UNITS)	11/09/79-09/30/80	0	11	
VHIS0083	No	00400	PH (STANDARD UNITS)	01/03/73-10/11/79	6	45	
VHIS0085	No	00400	PH (STANDARD UNITS)	01/03/73-10/11/79	6	41	
VHIS0088	No	00400	PH (STANDARD UNITS)	11/17/79-09/30/80	0	10	
VHIS0089	No	00400	PH (STANDARD UNITS)	01/03/73-10/11/79	6	44	
VHIS0093	No	00400	PH (STANDARD UNITS)	01/03/73-09/26/79	6	37	
VHIS0094	No	00400	PH (STANDARD UNITS)	01/21/80-09/30/80	0	8	
VHIS0101	No	00400	PH (STANDARD UNITS)	03/20/73-12/16/82	9	52	T
VHIS0004	No	00406	PH, FIELD, STANDARD UNITS SU	10/10/91-09/20/94	2	26	
VHIS0006	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/94-09/20/94	0	3	
VHIS0007	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	60	
VHIS0008	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	61	
VHIS0009	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	61	
VHIS0010	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	61	
VHIS0013	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	61	
VHIS0014	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	60	
VHIS0020	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	61	
VHIS0022	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	61	
VHIS0027	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	60	
VHIS0028	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	60	
VHIS0029	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	59	
VHIS0037	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	63	
VHIS0038	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	62	
VHIS0040	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	58	
VHIS0044	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	64	
VHIS0048	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	64	
VHIS0051	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	57	
VHIS0053	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	57	
VHIS0055	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	64	
VHIS0061	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	64	
VHIS0065	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	65	
VHIS0068	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	56	
VHIS0071	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	65	
VHIS0076	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	56	
VHIS0077	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	65	
VHIS0080	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	54	
VHIS0086	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	55	
VHIS0090	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	54	
VHIS0091	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	6	54	
VHIS0001	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0002	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0003	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0004	No	00480	SALINITY - PARTS PER THOUSAND	10/10/91-10/26/94	3	32	
VHIS0005	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0006	No	00480	SALINITY - PARTS PER THOUSAND	01/28/94-10/26/94	0	4	
VHIS0007	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0008	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0009	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0010	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	60	
VHIS0011	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0012	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0013	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	60	
VHIS0014	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0015	Yes	00480	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	33	T,S
VHIS0017	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0019	No	00480	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	33	T,S
VHIS0020	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0021	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0022	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0023	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0024	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0025	Yes	00480	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	12	35	T,S
VHIS0027	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0028	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0029	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0030	Yes	00480	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	12	32	T,S
VHIS0031	Yes	00480	SALINITY - PARTS PER THOUSAND	11/09/79-11/09/79	0	1	
VHIS0032	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0033	Yes	00480	SALINITY - PARTS PER THOUSAND	11/30/72-12/19/85	13	52	T,S

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0034	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0035	Yes	00480	SALINITY - PARTS PER THOUSAND	06/13/75-03/18/86	10	33	T
VHIS0036	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-09/30/80	0	11	
VHIS0037	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0038	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0039	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0040	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0041	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0042	Yes	00480	SALINITY - PARTS PER THOUSAND	01/03/73-01/23/86	13	35	T,S
VHIS0043	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	0	11	
VHIS0044	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0045	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0046	Yes	00480	SALINITY - PARTS PER THOUSAND	05/09/73-03/18/86	12	49	T,S
VHIS0047	Yes	00480	SALINITY - PARTS PER THOUSAND	11/09/79-07/23/80	0	9	
VHIS0048	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0049	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	0	11	
VHIS0050	No	00480	SALINITY - PARTS PER THOUSAND	05/09/73-01/23/86	12	37	T,S
VHIS0051	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	60	
VHIS0052	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0053	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	59	
VHIS0054	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0055	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0056	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	0	10	
VHIS0057	No	00480	SALINITY - PARTS PER THOUSAND	05/09/73-01/23/86	12	35	T
VHIS0058	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0059	Yes	00480	SALINITY - PARTS PER THOUSAND	01/03/73-03/18/86	13	51	T,S
VHIS0060	Yes	00480	SALINITY - PARTS PER THOUSAND	10/11/79-09/30/80	0	12	
VHIS0061	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0062	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0063	Yes	00480	SALINITY - PARTS PER THOUSAND	11/17/79-09/30/80	0	11	
VHIS0064	Yes	00480	SALINITY - PARTS PER THOUSAND	05/09/73-03/18/86	12	48	T,S
VHIS0065	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0066	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	0	11	
VHIS0067	No	00480	SALINITY - PARTS PER THOUSAND	01/11/73-01/23/86	13	36	T,S
VHIS0068	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	59	
VHIS0069	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0070	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0071	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0073	Yes	00480	SALINITY - PARTS PER THOUSAND	01/03/73-03/18/86	13	47	T,S
VHIS0074	No	00480	SALINITY - PARTS PER THOUSAND	01/11/73-01/23/86	13	36	T,S
VHIS0075	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-09/11/80	0	9	
VHIS0076	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	58	
VHIS0077	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	61	
VHIS0079	No	00480	SALINITY - PARTS PER THOUSAND	11/09/79-09/30/80	0	11	
VHIS0080	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	57	
VHIS0081	No	00480	SALINITY - PARTS PER THOUSAND	01/29/73-09/30/86	13	53	T,S
VHIS0082	No	00480	SALINITY - PARTS PER THOUSAND	11/09/79-09/30/80	0	11	
VHIS0083	No	00480	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	52	T,S
VHIS0084	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0085	No	00480	SALINITY - PARTS PER THOUSAND	01/29/73-09/30/86	13	47	T,S
VHIS0086	Yes	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	59	
VHIS0088	No	00480	SALINITY - PARTS PER THOUSAND	11/17/79-09/30/80	0	10	
VHIS0089	No	00480	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	51	T,S
VHIS0090	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	59	
VHIS0091	No	00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	59	
VHIS0092	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0093	No	00480	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	44	T,S
VHIS0094	No	00480	SALINITY - PARTS PER THOUSAND	01/21/80-09/30/80	0	8	
VHIS0095	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0096	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0097	No	00480	SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	0	2	
VHIS0098	No	00480	SALINITY - PARTS PER THOUSAND	11/06/79-11/08/79	0	2	
VHIS0099	No	00480	SALINITY - PARTS PER THOUSAND	11/06/79-11/08/79	0	2	
VHIS0100	No	00480	SALINITY - PARTS PER THOUSAND	11/06/79-11/08/79	0	2	
VHIS0101	No	00480	SALINITY - PARTS PER THOUSAND	12/27/72-12/11/85	12	56	T,S
VHIS0001	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHIS0002	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHIS0003	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHIS0005	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHIS0011	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHIS0012	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHIS0015	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-02/13/86	0	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0017	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0019	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-03/18/86	0	5	
VHS0021	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0023	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0024	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0025	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-03/18/86	0	2	
VHS0030	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-01/23/86	0	1	
VHS0032	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0034	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0035	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-06/20/85	0	1	
VHS0039	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0041	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0042	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-01/23/86	0	1	
VHS0045	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0050	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-01/23/86	0	3	
VHS0052	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0054	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0058	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0059	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/18/86-03/18/86	0	1	
VHS0062	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0069	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0070	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0073	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/18/86-03/18/86	0	1	
VHS0074	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-01/23/86	0	2	
VHS0081	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-03/18/86	0	6	
VHS0083	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/18/86-03/18/86	0	1	
VHS0084	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0085	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/85-08/20/85	0	2	
VHS0092	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0093	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-03/18/86	0	4	
VHS0095	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0096	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	0	2	
VHS0097	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/07/79	0	1	
VHS0098	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/06/79-11/08/79	0	2	
VHS0099	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/06/79-11/08/79	0	2	
VHS0100	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/06/79-11/08/79	0	2	
VHS0004	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHS0006	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/24/94-01/16/95	0	5	
VHS0007	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0008	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0009	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0010	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0013	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0014	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0020	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0022	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHS0027	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0028	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0029	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0037	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0038	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHS0040	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0044	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0048	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0051	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0053	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0055	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0061	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0065	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0068	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0071	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0076	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0077	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0080	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/17/95	1	13	
VHS0086	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0090	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	11	
VHS0091	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0002	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0003	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0012	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0017	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0023	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0024	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0032	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0034	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0039	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0041	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0045	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0052	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0054	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0058	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0062	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0069	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0070	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0084	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0092	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0095	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0096	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0097	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0098	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHS0099	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHS0100	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHS0004	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHS0006	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/94-01/16/95	0	5	
VHS0007	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0008	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0009	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0010	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0013	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0014	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0020	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0022	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHS0027	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0028	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0029	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0037	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0038	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHS0040	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0044	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0048	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0051	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0053	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0055	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0061	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0065	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0068	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0071	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0076	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0077	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0080	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/17/95	1	13	
VHS0086	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0090	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	11	
VHS0091	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHS0001	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0002	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0003	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0005	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0011	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0012	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0015	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/23/86-02/13/86	0	2	
VHS0017	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0019	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	0	6	
VHS0021	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0023	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0024	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0025	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/23/86-03/18/86	0	2	
VHS0030	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/85-01/23/86	0	2	
VHS0032	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHS0033	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/85-08/15/85	0	1	
VHS0034	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0035	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-06/20/85	0	1	
VHIS0039	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0041	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0042	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/23/86-01/23/86	0	1	
VHIS0045	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0050	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-01/23/86	0	3	
VHIS0052	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0054	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0058	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0059	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	0	1	
VHIS0062	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0069	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0070	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0073	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	0	1	
VHIS0074	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-01/23/86	0	3	
VHIS0081	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	0	7	
VHIS0083	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	0	1	
VHIS0084	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0085	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/85-08/20/85	0	2	
VHIS0092	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0093	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	0	4	
VHIS0095	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0096	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0097	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0098	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0099	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0100	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0004	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHIS0006	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/94-01/16/95	0	5	
VHIS0007	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0008	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0009	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0010	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0013	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0014	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0020	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0022	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHIS0027	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0028	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0029	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0037	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0038	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	1	13	
VHIS0040	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0044	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0048	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0051	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0053	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0055	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0061	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0065	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0068	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0071	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0076	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0077	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0080	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/17/95	1	13	
VHIS0086	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0090	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	11	
VHIS0091	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0001	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0002	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0003	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0005	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0011	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0012	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0015	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-02/13/86	1	3	
VHIS0017	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0019	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-03/18/86	1	7	
VHIS0021	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0023	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0024	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0025	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/86-03/18/86	0	2	
VHIS0030	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/85-01/23/86	0	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0032	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0033	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/85-08/15/85	0	1	
VHIS0034	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0035	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-06/20/85	0	2	
VHIS0039	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0041	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0042	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/86-01/23/86	0	1	
VHIS0045	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0050	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-01/23/86	1	4	
VHIS0052	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0054	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0058	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0059	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	0	1	
VHIS0062	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0069	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0070	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0073	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	0	1	
VHIS0074	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/20/85-01/23/86	0	3	
VHIS0081	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	0	6	
VHIS0083	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	0	1	
VHIS0084	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0085	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/85-08/20/85	0	2	
VHIS0092	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0093	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	0	4	
VHIS0095	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0096	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0097	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0098	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0099	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0100	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0002	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0003	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0012	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0017	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0023	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0024	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0032	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0034	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0039	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0041	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0045	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0052	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0054	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0058	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0062	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0069	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0070	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0084	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0092	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	6	3	
VHIS0095	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0096	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0097	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	0	2	
VHIS0098	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0099	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0100	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/79-11/08/79	0	2	
VHIS0004	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/16/95	1	13	
VHIS0006	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/24/94-01/16/95	0	5	
VHIS0007	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0008	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0009	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0010	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0013	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0014	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0020	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0022	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/16/95	1	13	
VHIS0027	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0028	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VHIS0029	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VIIS0037	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0038	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/16/95	1	13	
VIIS0040	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0044	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0048	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0051	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0053	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0055	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0061	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0065	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0068	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0071	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0076	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0077	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0080	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/17/95	1	13	
VIIS0086	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0090	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	11	
VIIS0091	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	1	12	
VIIS0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0002	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0003	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0011	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0012	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0015	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-02/13/86	1	3	
VIIS0017	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0019	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-03/18/86	1	7	
VIIS0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0023	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0024	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0025	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/86-03/18/86	0	2	
VIIS0030	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/85-01/23/86	0	2	
VIIS0032	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0033	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/85-08/15/85	0	1	
VIIS0034	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0035	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-06/20/85	0	2	
VIIS0039	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0041	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0042	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/86-01/23/86	0	1	
VIIS0045	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0050	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-01/23/86	1	4	
VIIS0052	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0054	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0058	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0059	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/18/86-03/18/86	0	1	
VIIS0062	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0069	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0070	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0073	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/18/86-03/18/86	0	1	
VIIS0074	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/85-01/23/86	0	3	
VIIS0081	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/85-03/18/86	0	7	
VIIS0083	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/18/86-03/18/86	0	1	
VIIS0084	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0085	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/85-08/20/85	0	1	
VIIS0092	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	6	3	
VIIS0093	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/85-03/18/86	0	4	
VIIS0095	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0096	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0097	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	0	2	
VIIS0098	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/06/79-11/08/79	0	2	
VIIS0099	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/06/79-11/08/79	0	2	
VIIS0100	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/06/79-11/08/79	0	2	
VIIS0004	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/16/95	1	13	
VIIS0006	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/94-01/16/95	0	5	
VIIS0007	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VIIS0008	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VIIS0009	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VIIS0010	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VIIS0013	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VIIS0014	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VIIS0020	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VIIS0022	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/16/95	1	13	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0027	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0028	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0029	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0037	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0038	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/16/95	1	13	
VHS0040	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0044	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0048	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0051	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0053	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0055	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0061	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0065	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0068	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0071	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0076	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0077	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0080	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/17/95	1	13	
VHS0086	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0090	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	11	
VHS0091	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	1	12	
VHS0001	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	6	3	
VHS0002	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0003	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0005	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	6	3	
VHS0011	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0012	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0017	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0021	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	6	3	
VHS0023	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0024	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0032	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0034	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0039	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	6	3	
VHS0041	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0045	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	6	3	
VHS0052	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	6	3	
VHS0054	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0058	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0062	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0069	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0070	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0084	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0092	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0095	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0096	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0097	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	0	2	
VHS0098	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/06/79-11/08/79	0	2	
VHS0099	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/06/79-11/08/79	0	2	
VHS0100	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/06/79-11/08/79	0	2	
VHS0058	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/09/79-11/09/79	0	1	
VHS0001	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0005	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0021	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0024	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0039	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0045	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0052	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0070	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0084	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	6	2	
VHS0092	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/18/72	0	1	
VHS0096	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/79-11/07/79	0	1	
VHS0058	Yes	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	11/09/79-11/09/79	0	1	
VHS0084	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	11/09/79-11/09/79	0	1	
VHS0096	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	11/09/79-11/09/79	0	1	
VHS0058	Yes	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	11/09/79-11/09/79	0	1	
VHS0084	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	11/09/79-11/09/79	0	1	
VHS0096	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	11/09/79-11/09/79	0	1	
VHS0001	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0005	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0021	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0024	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0039	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0045	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0052	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0070	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0084	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	6	2	
VHS0092	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/18/72	0	1	
VHS0096	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/79-11/07/79	0	1	
VHS0001	No	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0005	No	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0021	No	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0024	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0039	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0045	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0052	No	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0070	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0084	No	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	6	2	
VHS0092	No	01042	COPPER, TOTAL (UG/L AS CU)	11/18/72-11/18/72	0	1	
VHS0096	No	01042	COPPER, TOTAL (UG/L AS CU)	11/07/79-11/07/79	0	1	
VHS0058	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/09/79-11/09/79	0	1	
VHS0084	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/09/79-11/09/79	0	1	
VHS0096	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/09/79-11/09/79	0	1	
VHS0001	No	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0005	No	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0021	No	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0024	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0039	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0045	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0052	No	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0070	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0084	No	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	6	2	
VHS0092	No	01051	LEAD, TOTAL (UG/L AS PB)	11/18/72-11/18/72	0	1	
VHS0096	No	01051	LEAD, TOTAL (UG/L AS PB)	11/07/79-11/07/79	0	1	
VHS0058	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/09/79-11/09/79	0	1	
VHS0084	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/09/79-11/09/79	0	1	
VHS0096	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/09/79-11/09/79	0	1	
VHS0001	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0005	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0021	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0024	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0039	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0045	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0052	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0070	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0084	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	6	2	
VHS0092	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/18/72	0	1	
VHS0096	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/07/79-11/07/79	0	1	
VHS0084	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/09/79-11/09/79	0	1	
VHS0096	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/09/79-11/09/79	0	1	
VHS0001	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0005	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0021	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0024	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0039	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0045	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0052	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0070	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/18/72	0	1	
VHS0084	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	6	2	
VHS0092	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/18/72	0	1	
VHS0096	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/79-11/07/79	0	1	
VHS0084	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	11/09/79-11/09/79	0	1	
VHS0096	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	11/09/79-11/09/79	0	1	
VHS0001	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0002	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0003	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0005	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0011	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0012	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0017	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0021	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0023	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0024	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHS0032	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0034	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0039	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0041	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	3	
VHIS0045	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0052	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0054	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	3	
VHIS0058	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0062	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0069	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	3	
VHIS0070	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0084	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0092	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0095	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0096	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	4	
VHIS0097	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	6	3	
VHIS0098	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/72-11/08/79	6	4	
VHIS0099	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/72-11/08/79	6	4	
VHIS0100	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/06/79-11/08/79	0	2	
VHIS0001	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0002	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0003	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0005	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0011	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0012	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0015	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	13	37	T,S
VHIS0017	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0019	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	13	39	T,S
VHIS0021	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0023	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0024	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0025	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	13	37	T,S
VHIS0030	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/11/73-09/30/86	13	36	T,S
VHIS0031	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/79-11/09/79	0	1	
VHIS0032	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0033	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/19/85	16	58	T,S
VHIS0034	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0035	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/13/75-03/18/86	10	33	T
VHIS0036	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-09/30/80	0	11	
VHIS0039	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0041	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0042	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-01/23/86	13	36	T,S
VHIS0043	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/06/80	0	11	
VHIS0045	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0046	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	13	47	T,S
VHIS0047	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/79-07/23/80	0	9	
VHIS0049	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/06/80	0	11	
VHIS0050	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	12	38	T,S
VHIS0052	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0054	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0056	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/06/80	0	10	
VHIS0057	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	12	36	T
VHIS0058	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0059	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-03/18/86	17	53	T,S
VHIS0060	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/11/79-09/30/80	0	12	
VHIS0062	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0063	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/17/79-09/30/80	0	11	
VHIS0064	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	13	48	T,S
VHIS0066	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/06/80	0	11	
VHIS0067	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	12	37	T
VHIS0069	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0070	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0073	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	13	47	T,S
VHIS0074	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/73-01/23/86	12	38	T,S
VHIS0075	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-09/11/80	0	9	
VHIS0079	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/79-09/30/80	0	11	
VHIS0081	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	17	62	T,S
VHIS0082	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/79-09/30/80	0	11	
VHIS0083	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	17	56	T,S
VHIS0084	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	0	2	
VHIS0085	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	17	52	T,S
VHIS0088	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/17/79-09/30/80	0	10	
VHIS0089	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	17	51	T,S

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHIS0092	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	0	2	T, S
VHIS0093	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	01/29/73-09/30/86	13	46	
VHIS0094	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	01/21/80-09/30/80	0	8	
VHIS0095	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	0	2	S
VHIS0096	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	0	2	
VHIS0097	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	0	2	
VHIS0098	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/06/79-11/08/79	0	2	S
VHIS0099	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/06/79-11/08/79	0	2	
VHIS0100	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/06/79-11/08/79	0	2	
VHIS0101	No	31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	01/23/69-12/11/85	16	56	S
VHIS0001	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0002	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0003	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0005	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0011	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0012	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0017	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0021	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0023	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0024	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0032	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0034	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0039	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0041	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	0	1	
VHIS0045	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0052	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0054	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	0	1	
VHIS0058	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0062	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0069	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	0	1	
VHIS0070	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0084	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0092	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0095	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	S
VHIS0096	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	0	2	
VHIS0097	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	0	1	
VHIS0098	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/14/72-11/17/72	0	2	S
VHIS0099	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/14/72-11/17/72	0	2	
VHIS0033	Yes	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	01/23/69-01/23/69	0	1	
VHIS0059	Yes	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	01/23/69-03/26/69	0	2	S
VHIS0081	No	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	01/23/69-05/16/69	0	3	
VHIS0083	No	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	01/23/69-05/16/69	0	3	
VHIS0085	No	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	01/23/69-05/16/69	0	3	S
VHIS0089	No	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	01/23/69-05/16/69	0	3	
VHIS0101	No	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	01/23/69-05/16/69	0	3	
VHIS0058	Yes	34267	BENZO(C)PYRENE, TOTAL UG/L	11/09/79-11/09/79	0	1	S
VHIS0058	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	0	1	S
VHIS0058	Yes	39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	0	1	S
VHIS0058	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/09/79-11/09/79	0	1	S
VHIS0058	Yes	39351	CHLORDANE (TECH MIX&METABS), SEDIMENTS, DRY WGT, UG/KG	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/09/79-11/09/79	0	1	S
VHIS0058	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39491	PCB - 1221 BOT. DEP., PCB SERIES DRY SOL UG/KG	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39495	PCB - 1232 BOT. DEP., PCB-SERIES DRY SOL UG/KG	11/09/79-11/09/79	0	1	S
VHIS0058	Yes	39499	PCB - 1242 BOT. DEP., PCB-SERIES DRY SOL UG/KG	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/09/79-11/09/79	0	1	S
VHIS0058	Yes	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	11/09/79-11/09/79	0	1	
VHIS0058	Yes	39701	HEXACHLORO BENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	0	1	S
VHIS0001	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	
VHIS0005	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	
VHIS0021	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	S
VHIS0024	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	
VHIS0039	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VHS0045	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	
VHS0052	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	
VHS0070	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	
VHS0084	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	6	2	
VHS0092	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/18/72	0	1	
VHS0096	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/07/79-11/07/79	0	1	
VHS0058	Yes	71921	MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/09/79-11/09/79	0	1	
VHS0084	No	71921	MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/09/79-11/09/79	0	1	
VHS0004	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/15/91-10/26/94	2	30	
VHS0006	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/94-10/26/94	0	3	
VHS0007	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0008	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	6	59	
VHS0009	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	60	
VHS0010	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0013	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	60	
VHS0014	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	60	
VHS0015	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	1	8	
VHS0019	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	1	11	
VHS0020	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-09/20/94	6	59	
VHS0022	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	60	
VHS0025	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	1	9	
VHS0027	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	60	
VHS0028	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0029	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0030	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	1	9	
VHS0031	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-11/09/79	0	1	
VHS0033	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/22/79-12/19/85	6	18	
VHS0035	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	1	9	
VHS0036	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-09/30/80	0	11	
VHS0037	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	60	
VHS0038	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0040	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0042	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-01/23/86	1	8	
VHS0043	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	0	11	
VHS0044	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0046	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	1	9	
VHS0047	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-07/23/80	0	9	
VHS0048	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0049	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	0	11	
VHS0050	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/12/84-01/23/86	1	6	
VHS0051	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	60	
VHS0053	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0055	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0056	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	0	10	
VHS0057	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-01/23/86	1	7	
VHS0059	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	1	10	
VHS0060	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/11/79-09/30/80	0	12	
VHS0061	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0063	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/17/79-09/30/80	0	11	
VHS0064	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	1	9	
VHS0065	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0066	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	0	11	
VHS0067	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-01/23/86	1	8	
VHS0068	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0071	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	57	
VHS0073	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	1	7	
VHS0074	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-01/23/86	1	5	
VHS0075	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-09/11/80	0	9	
VHS0076	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0077	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	58	
VHS0079	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-09/30/80	0	11	
VHS0080	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	57	
VHS0081	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	1	11	
VHS0082	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-09/30/80	0	11	
VHS0083	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	1	7	
VHS0085	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	1	9	
VHS0086	Yes	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	57	
VHS0088	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/17/79-09/30/80	0	10	
VHS0089	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	1	8	
VHS0090	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0091	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	59	
VHS0093	No	82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	1	9	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 01/23/69 To 01/17/95**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
VIIS0094	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/21/80-09/30/80	0	8	
VIIS0101	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/24/80-12/11/85	5	15	
VIIS0004	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10/10/91-10/26/94	3	31	
VIIS0006	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/94-10/26/94	0	4	
VIIS0007	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0008	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	
VIIS0009	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	
VIIS0010	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0013	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0014	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0020	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0022	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	
VIIS0027	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0028	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	64	
VIIS0029	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0037	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0038	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0040	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0044	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0048	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	64	
VIIS0051	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	64	
VIIS0053	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	
VIIS0055	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0061	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0065	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0068	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	
VIIS0071	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0076	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	61	
VIIS0077	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	65	
VIIS0080	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	61	
VIIS0086	Yes	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	
VIIS0090	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	
VIIS0091	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	63	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station-By-Station Results

Station Inventory for Station: VIIS0001

NPS Station ID: VIIS0001
 Location: EAST END BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.342226/ -64.661115

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-67 /STJ-17 /STJ57(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.933	29.8	28.	0.813	0.902	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.45	6.475	6.8	6.2	0.062	0.25	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.25	33.25	33.3	33.2	0.005	0.071	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	21.5	21.5	24.	19.	12.5	3.536	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.12	0.25	0.6	0.03	0.094	0.306	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3 ##	0.019	0.016	0.025	0.005	0.	0.01	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	3	3.5	10.	24.	2.5	147.25	12.135	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	2 ##	15.5	15.5	30.	1.	420.5	20.506	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	2 ##	5.25	5.25	7.	3.5	6.125	2.475	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	161.	161.	320.	2.	50562.	224.86	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	2	7200.	7200.	14000.	400.	92480000.	9616.652	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	137.5	550.	0.	75625.	275.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.	0.685	2.74	0.	1.877	1.37	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.843								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.349	0.349	0.699	0.	0.244	0.494	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.236								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	0.4	0.4	0.7	0.1	0.18	0.424	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0001

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0001

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	2.9	1	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0002

NPS Station ID: VIIS0002
 Location: NEWFOUND BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.351392/ -64.666671

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-68 /STJ-18 /STJ58(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.8	28.9	29.9	28.	0.91	0.954	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.5	6.4	6.8	5.8	0.187	0.432	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.1	33.1	33.2	33.	0.02	0.141	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	12.5	12.5	21.	4.	144.5	12.021	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2	0.13	0.13	0.14	0.12	0.	0.014	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.016	0.016	0.019	0.013	0.	0.004	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.65	2.65	3.1	2.2	0.405	0.636	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	3.25	13.	0.	42.25	6.5	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.	0.278	1.114	0.	0.31	0.557	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.899								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0002

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0003

NPS Station ID: VIIS0003
 Location: PRIVATEER BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.340281/ -64.666671

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-66 /STJ-16 /STJ56(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.833	29.5	28.	0.583	0.764	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.3	6.35	6.8	6.	0.117	0.342	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.95	33.95	34.1	33.8	0.045	0.212	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	24.5	24.5	46.	3.	924.5	30.406	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.115	0.115	0.22	0.01	0.022	0.148	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2 ##	0.012	0.012	0.019	0.005	0.	0.01	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.95	2.95	3.1	2.8	0.045	0.212	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	17.5	70.	0.	1225.	35.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.	0.461	1.845	0.	0.851	0.923	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.893								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0003

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0004

NPS Station ID: VIIS0004
 Location: NEWFOUND BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.349198/ -64.668003

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_NEBA30
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0004

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/10/91-10/26/94	32	28.15	27.991	29.6	25.8	1.417	1.19	26.26	26.9	29.075	29.47
00032 CLOUD COVER (PERCENT)	10/10/91-10/26/94	32	25.	34.531	100.	5.	861.87	29.358	6.5	11.25	43.75	95.5
00035 WIND VELOCITY (MILES PER HOUR)	10/10/91-10/26/94	30	7.5	8.417	22.5	0.5	30.191	5.495	1.1	4.625	13.125	15.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10/10/91-10/26/94	25	73.4	72.144	92.5	47.5	81.624	9.035	59.5	67.3	76.95	81.42
00078 TRANSPARENCY, SECCHI DISC (METERS)	10/10/91-10/26/94	30	2.515	3.142	8.75	1.5	2.619	1.618	1.528	2.	4.513	4.822
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	10/10/91-10/26/94	32	53950.	39043.156	55600.	51.	614552842.91	24790.176	53.	55.25	54750.	55170.
00300 OXYGEN, DISSOLVED MG/L	10/10/91-10/26/94	32	6.8	6.772	7.8	5.3	0.272	0.521	6.1	6.5	7.1	7.47
00406 PH, FIELD, STANDARD UNITS SU	10/10/91-09/20/94	26	8.04	8.022	8.97	7.09	0.098	0.313	7.729	7.922	8.153	8.29
00406 CONVERTED PH, FIELD, STANDARD UNITS	10/10/91-09/20/94	26	8.04	7.896	8.97	7.09	0.115	0.339	7.729	7.922	8.153	8.29
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/91-09/20/94	26	0.009	0.013	0.081	0.001	0.	0.015	0.005	0.007	0.012	0.019
00480 SALINITY - PARTS PER THOUSAND	10/10/91-10/26/94	32	36.	35.763	36.9	33.6	0.711	0.843	34.56	35.2	36.4	36.67
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.016	0.018	0.04	0.	0.	0.01	0.004	0.013	0.022	0.037
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.001	0.001	0.002	0.001	0.	0.	0.001	0.001	0.001	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.003	0.003	0.005	0.001	0.	0.001	0.001	0.002	0.004	0.005
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/16/95	13	0.004	0.004	0.005	0.002	0.	0.001	0.002	0.003	0.005	0.005
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/16/95	13	0.005	0.005	0.008	0.002	0.	0.002	0.002	0.003	0.008	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/15/91-10/26/94	30	0.3	0.362	1.1	0.07	0.042	0.204	0.2	0.2	0.4	0.6
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10/10/91-10/26/94	31	2.4	3.084	8.8	1.2	2.697	1.642	1.5	2.	4.5	4.84

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0004

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	32	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Other-Hi Lim.	9.	26	0	0.00	17	0	0.00	7	0	0.00	8	0	0.00			
00406 PH, FIELD	Other-Lo Lim.	6.5	26	0	0.00	12	0	0.00	7	0	0.00	7	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	30	0	0.00	16	0	0.00	6	0	0.00	8	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0005

NPS Station ID: VIIS0005
 Location: NORTH HAULOVER
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.352781/ -64.675004

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-69 /STJ-19 /STJ59(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.	28.6	29.8	28.	1.08	1.039	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.8	6.725	7.3	6.	0.296	0.544	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.	33.	33.2	32.8	0.08	0.283	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	16.	16.	21.	11.	50.	7.071	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.065	0.065	0.12	0.01	0.006	0.078	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.015	0.015	0.019	0.01	0.	0.006	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	3	3.2	4.667	8.1	2.7	8.903	2.984	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	2 ##	20.5	20.5	40.	1.	760.5	27.577	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	76.	76.	150.	2.	10952.	104.652	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	2	8660.	8660.	17000.	320.	13911200.	11794.541	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	0.75	3.	0.	2.25	1.5	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.	0.119	0.477	0.	0.057	0.239	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.316								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	0.45	0.45	0.8	0.1	0.245	0.495	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0005

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0005

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	2.9	1	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0006

NPS Station ID: VIIS0006
 Location: HAULOVER BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.348503/ -64.675448

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_HABA31
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0006

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/94-10/26/94	4	28.1	27.825	28.8	26.3	1.143	1.069	**	**	**	**
00032 CLOUD COVER (PERCENT)	01/28/94-10/26/94	4	35.	47.5	100.	20.	1275.	35.707	**	**	**	**
00035 WIND VELOCITY (MILES PER HOUR)	01/28/94-10/26/94	4	1.25	4.375	15.	0.	50.896	7.134	**	**	**	**
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/28/94-10/26/94	4	82.7	82.2	87.	76.4	30.82	5.552	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/94-10/26/94	4	4.71	4.553	5.15	3.64	0.426	0.653	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/28/94-10/26/94	4	53.5	53.	54.	51.	2.	1.414	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	01/28/94-10/26/94	4	6.3	6.3	6.4	6.2	0.013	0.115	**	**	**	**
00406 PH, FIELD, STANDARD UNITS SU	01/28/94-09/20/94	3	8.05	8.073	8.12	8.05	0.002	0.04	**	**	**	**
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/94-09/20/94	3	8.05	8.072	8.12	8.05	0.002	0.04	**	**	**	**
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/94-09/20/94	3	0.009	0.008	0.009	0.008	0.	0.001	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	01/28/94-10/26/94	4	34.6	34.625	35.8	33.5	0.989	0.995	**	**	**	**
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/24/94-01/16/95	5	0.012	0.011	0.016	0.006	0.	0.004	**	**	**	**
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/94-01/16/95	5	0.001	0.001	0.002	0.001	0.	0.001	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/94-01/16/95	5	0.003	0.003	0.005	0.	0.	0.002	**	**	**	**
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/24/94-01/16/95	5	0.003	0.003	0.006	0.001	0.	0.002	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/94-01/16/95	5	0.005	0.005	0.006	0.003	0.	0.001	**	**	**	**
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/94-10/26/94	3	0.3	0.267	0.3	0.2	0.003	0.058	**	**	**	**
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/94-10/26/94	4	4.75	4.575	5.2	3.6	0.483	0.695	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0006

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0007

NPS Station ID: VIIS0007
 Location: HAULOVER BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.348337/ -64.678448

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_HABA11
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.65	27.453	29.5	20.2	2.309	1.52	25.8	26.4	28.6	29.2
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	35.	42.292	100.	5.	678.741	26.053	10.	20.	60.	80.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	65	7.5	8.746	20.	0.5	26.595	5.157	2.6	5.	12.5	15.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	48	80.85	81.663	98.7	61.3	49.756	7.054	74.95	76.75	85.5	90.01
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	9.	8.812	15.	3.	10.383	3.222	4.606	5.91	11.875	13.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53950.	45913.033	56200.	51.	378404034.643	19452.61	55.	52525.	54675.	55090.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.5	6.556	8.1	5.9	0.172	0.415	6.	6.3	6.8	7.1
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	60	7.84	7.784	8.96	7.28	0.125	0.353	7.38	7.403	8.04	8.17
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	60	7.84	7.661	8.96	7.28	0.14	0.374	7.38	7.403	8.04	8.17
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	60	0.014	0.022	0.052	0.001	0.	0.015	0.007	0.009	0.04	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.8	35.618	37.3	33.1	0.8	0.894	34.26	35.1	36.2	36.58
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.01	0.01	0.017	0.005	0.	0.004	0.005	0.007	0.014	0.017
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.001	0.	0.001	0.001	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.006	0.	0.	0.002	0.	0.001	0.004	0.005
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.003	0.006	0.	0.	0.002	0.001	0.002	0.005	0.006
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.013	0.003	0.	0.003	0.003	0.004	0.006	0.011
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.2	0.262	0.6	0.05	0.018	0.133	0.1	0.2	0.4	0.4
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	9.	8.838	19.	1.5	13.045	3.612	4.5	5.5	11.9	13.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0007

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	60	0	0.00	26	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	60	0	0.00	26	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	28	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.9	27.356	28.6	25.8	1.393	1.18	25.8	25.9	28.4	28.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	8	40.	50.5	99.	10.	1132.	33.645	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	8	12.5	13.125	20.	5.	28.125	5.303	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	12.75	11.938	15.	8.	5.603	2.367	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	53950.	54075.	54700.	53700.	229166.667	478.714	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.256	6.5	6.	0.028	0.167	6.	6.1	6.4	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.86	7.926	8.31	7.78	0.033	0.182	7.78	7.805	8.035	8.31
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.86	7.897	8.31	7.78	0.034	0.185	7.78	7.805	8.035	8.31
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.014	0.013	0.017	0.005	0.	0.004	0.005	0.01	0.016	0.017
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.5	35.2	36.2	33.1	1.475	1.214	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.15	0.21	0.6	0.07	0.04	0.199	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	12.5	11.5	19.	1.5	23.813	4.88	1.5	9.	14.25	19.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	27.	26.814	28.7	25.5	1.535	1.239	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	20.	35.714	90.	10.	861.905	29.358	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	10.	10.714	15.	5.	20.238	4.499	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	84.5	83.12	85.5	76.	16.102	4.013	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	9.5	9.286	12.	4.5	7.321	2.706	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52500.	52471.429	53800.	51500.	575714.286	758.758	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.4	6.557	6.9	6.3	0.07	0.264	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	7	7.39	7.52	7.92	7.28	0.062	0.249	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	7	7.39	7.468	7.92	7.28	0.065	0.256	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	7	0.041	0.034	0.052	0.012	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.6	34.629	35.5	33.9	0.272	0.522	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.2	0.3	0.1	0.008	0.089	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	11.	10.	13.	4.5	8.75	2.958	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.4	27.755	29.4	25.6	1.633	1.278	25.66	26.8	28.6	29.34
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	60.	53.636	80.	20.	370.455	19.247	21.	40.	70.	79.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	10.	10.	20.	5.	25.	5.	5.	15.	19.	19.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	11	83.3	82.927	93.3	76.	36.664	6.055	76.1	76.6	89.6	92.66
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	12.	11.145	15.	5.	7.433	2.726	5.8	9.	13.	14.6
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54400.	54290.909	55000.	53500.	230909.091	480.53	53540.	53900.	54800.	54960.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.5	6.555	7.3	6.	0.155	0.393	6.04	6.3	6.7	7.28
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.4	7.402	7.44	7.35	0.001	0.027	7.354	7.39	7.42	7.44
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.4	7.401	7.44	7.35	0.001	0.027	7.354	7.39	7.42	7.44
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.04	0.04	0.045	0.036	0.	0.003	0.036	0.038	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.	35.927	36.4	35.3	0.136	0.369	35.34	35.6	36.3	36.4
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.3	0.31	0.5	0.1	0.014	0.12	0.11	0.2	0.4	0.49
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	12.	11.418	15.	5.	8.764	2.96	5.8	9.	13.	15.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.45	27.53	29.2	26.	1.36	1.166	26.03	26.525	28.7	29.15
00032	CLOUD COVER (PERCENT)	10	27.5	36.	80.	5.	710.	26.646	5.5	10.	60.	78.
00035	WIND VELOCITY (MILES PER HOUR)	10	5.	7.35	17.5	3.5	17.725	4.21	3.65	5.	10.	16.75
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	77.5	77.52	81.8	74.5	6.32	2.514	74.55	75.	78.85	81.76
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	8.6	9.05	11.75	7.	4.618	2.149	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54500.	54033.333	56200.	51200.	2595000.	1610.9	51200.	52700.	55300.	56200.
00300	OXYGEN, DISSOLVED MG/L	10	6.75	6.58	7.1	5.9	0.233	0.483	5.91	6.	7.025	7.1
00406	PH, FIELD, STANDARD UNITS SU	10	7.41	7.552	7.98	7.33	0.057	0.239	7.334	7.385	7.815	7.968
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.41	7.501	7.98	7.33	0.06	0.245	7.334	7.385	7.815	7.968
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.039	0.032	0.047	0.01	0.	0.014	0.011	0.015	0.041	0.046
00480	SALINITY - PARTS PER THOUSAND	9	36.1	35.744	37.3	33.7	1.333	1.154	33.7	34.8	36.65	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	8	0.35	0.35	0.6	0.2	0.017	0.131	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	8.8	8.39	11.8	4.5	6.281	2.506	4.55	6.5	11.	11.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.2	27.082	29.3	20.2	6.68	2.584	21.34	26.4	29.	29.28
00032	CLOUD COVER (PERCENT)	11	40.	43.636	80.	20.	300.455	17.334	22.	30.	55.	77.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	5.045	12.5	0.5	13.273	3.643	0.5	1.	7.5	11.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	86.2	83.31	90.	67.5	59.608	7.721	68.	77.75	89.15	89.96
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	4.9	5.482	7.75	3.	2.867	1.693	3.1	4.	7.328	7.725
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54500.	54236.364	55200.	52600.	554545.455	744.678	52760.	53800.	54800.	55140.
00300	OXYGEN, DISSOLVED MG/L	11	6.7	6.8	8.1	5.9	0.346	0.588	6.	6.6	6.9	8.
00406	PH, FIELD, STANDARD UNITS SU	6	7.91	7.932	8.09	7.83	0.011	0.106	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	6	7.907	7.921	8.09	7.83	0.011	0.106	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	6	0.012	0.012	0.015	0.008	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	36.1	35.909	36.6	34.7	0.325	0.57	34.8	35.6	36.4	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.25	0.28	0.5	0.1	0.02	0.14	0.1	0.175	0.4	0.49
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.9	5.5	7.8	3.	2.911	1.706	3.1	4.	7.35	7.77

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.4	27.811	29.5	25.7	2.331	1.527	25.7	26.4	29.3	29.5
00032	CLOUD COVER (PERCENT)	9	20.	37.222	100.	5.	950.694	30.833	5.	17.5	60.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	7.	7.444	15.	1.	18.278	4.275	1.	4.	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	98.3	91.567	98.7	77.7	144.253	12.011	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	7.01	8.162	14.32	5.18	9.734	3.12	5.18	5.49	10.21	14.32
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600.	54511.111	55500.	53400.	596111.111	772.082	53400.	53700.	55200.	55500.
00300	OXYGEN, DISSOLVED MG/L	9	6.4	6.522	7.2	6.	0.144	0.38	6.	6.25	6.8	7.2
00406	PH, FIELD, STANDARD UNITS SU	9	7.99	8.049	8.28	7.92	0.015	0.122	7.92	7.96	8.155	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.99	8.035	8.28	7.92	0.015	0.123	7.92	7.96	8.155	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.01	0.009	0.012	0.005	0.	0.002	0.005	0.007	0.011	0.012
00480	SALINITY - PARTS PER THOUSAND	9	36.2	36.089	37.	35.2	0.359	0.599	35.2	35.5	36.5	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.2	0.206	0.4	0.05	0.018	0.133	0.05	0.1	0.35	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	7.	8.178	14.3	5.2	9.732	3.12	5.2	5.5	10.25	14.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	27.689	29.1	26.3	1.071	1.035	26.3	26.45	28.45	29.1
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	36.667	100.	10.	806.25	28.395	10.	20.	50.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	9.167	17.5	0.5	38.813	6.23	0.5	3.5	15.	17.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	9	79.2	78.778	87.	61.3	53.687	7.327	61.3	77.55	83.5	87.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	6.06	6.977	10.9	3.64	6.137	2.477	3.64	5.03	9.395	10.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.556	55.	51.	2.778	1.667	51.	52.	55.	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.6	6.567	7.1	6.	0.102	0.32	6.	6.35	6.8	7.1
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.145	8.264	8.96	8.06	0.087	0.295	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.144	8.204	8.96	8.06	0.091	0.301	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.006	0.009	0.001	0.	0.002	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.7	35.289	36.6	33.5	1.186	1.089	33.5	34.35	36.1	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.244	0.4	0.2	0.005	0.073	0.2	0.2	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	6.1	6.989	10.9	3.6	6.136	2.477	3.6	5.05	9.4	10.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.6	28.535	29.5	26.8	0.495	0.704	27.32	28.1	29.1	29.3
00032	CLOUD COVER (PERCENT)	30	32.5	37.167	100.	5.	535.661	23.144	10.	20.	50.	69.5
00035	WIND VELOCITY (MILES PER HOUR)	30	5.	7.017	20.	0.5	22.095	4.7	1.	5.	10.	12.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	8.6	8.72	15.	4.	8.64	2.939	5.	6.08	11.375	12.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54050.	46777.133	55500.	51.	348419840.464	18666.008	55.	52550.	54525.	55070.
00300	OXYGEN, DISSOLVED MG/L	31	6.4	6.494	8.1	5.9	0.217	0.466	6.	6.2	6.7	7.16
00406	PH, FIELD, STANDARD UNITS SU	26	7.86	7.755	8.21	7.28	0.1	0.317	7.344	7.398	8.005	8.149
00406	CONVERTED PH, FIELD, STANDARD UNITS	26	7.86	7.646	8.21	7.28	0.113	0.336	7.344	7.397	8.005	8.149
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	26	0.014	0.023	0.052	0.006	0.	0.016	0.007	0.01	0.04	0.045
00480	SALINITY - PARTS PER THOUSAND	30	35.85	35.623	37.	33.5	0.7	0.837	33.96	35.35	36.125	36.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	28	0.25	0.282	0.6	0.1	0.021	0.144	0.1	0.2	0.4	0.51
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	8.8	8.72	15.	1.5	11.398	3.376	4.55	5.95	11.2	13.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.9	25.988	26.8	25.5	0.133	0.365	25.5	25.725	26.3	26.52
00032	CLOUD COVER (PERCENT)	16	47.5	46.5	99.	10.	765.333	27.665	17.	20.	67.5	92.7
00035	WIND VELOCITY (MILES PER HOUR)	16	12.5	11.813	20.	3.	27.929	5.285	3.7	8.125	15.	20.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	9.475	9.386	15.	4.	14.788	3.846	4.285	5.318	13.25	14.66
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53450.	46164.857	55200.	53.	382351487.978	19553.81	54.	52575.	54725.	55000.
00300	OXYGEN, DISSOLVED MG/L	16	6.6	6.681	7.6	6.2	0.139	0.373	6.27	6.4	6.9	7.25
00406	PH, FIELD, STANDARD UNITS SU	16	7.835	7.788	8.35	7.37	0.085	0.292	7.398	7.43	7.967	8.189
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.835	7.698	8.35	7.37	0.094	0.306	7.398	7.43	7.967	8.189
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.02	0.043	0.004	0.	0.013	0.007	0.011	0.037	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.3	35.427	36.6	33.1	0.819	0.905	34.06	35.	36.2	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.3	0.257	0.5	0.1	0.013	0.116	0.1	0.175	0.3	0.45
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	9.25	9.375	19.	4.	19.115	4.372	4.35	4.975	12.75	16.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.2	26.921	28.6	20.2	3.177	1.783	25.8	26.7	28.	28.4
00032	CLOUD COVER (PERCENT)	19	35.	46.842	100.	10.	831.14	28.83	10.	20.	75.	90.
00035	WIND VELOCITY (MILES PER HOUR)	19	7.5	8.895	17.5	0.5	22.322	4.725	5.	5.	15.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	8.5	8.514	13.	3.	10.726	3.275	3.576	5.57	11.375	13.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54100.	44072.5	56200.	51.	478240296.133	21868.706	53.1	52050.	54875.	55920.
00300	OXYGEN, DISSOLVED MG/L	19	6.5	6.553	7.2	6.	0.124	0.352	6.	6.3	6.8	7.1
00406	PH, FIELD, STANDARD UNITS SU	18	7.835	7.822	8.96	7.38	0.208	0.456	7.389	7.39	8.155	8.375
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.835	7.652	8.96	7.38	0.239	0.488	7.389	7.39	8.155	8.375
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.015	0.022	0.042	0.001	0.	0.016	0.005	0.007	0.041	0.041
00480	SALINITY - PARTS PER THOUSAND	16	35.95	35.787	37.3	33.7	1.013	1.007	34.05	35.	36.475	37.09
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.232	0.4	0.05	0.016	0.128	0.064	0.125	0.4	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	9.	8.574	13.5	3.	11.736	3.426	3.6	5.	12.	13.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0008

NPS Station ID: VIIS0008
 Location: LONG POINT
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.332198/ -64.679227

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_LOPO12
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.	27.647	29.8	25.4	1.464	1.21	25.9	26.6	28.7	29.1
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	35.	42.955	100.	5.	830.936	28.826	10.	20.	66.25	90.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	10.	9.303	15.	0.	19.138	4.375	3.	5.	13.125	15.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	79.9	81.113	99.3	63.3	64.162	8.01	71.57	75.875	85.15	92.82
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	58	11.79	11.061	21.	3.03	18.164	4.262	4.985	7.815	14.	16.067
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53850.	45874.683	56100.	51.	377782567.203	19436.63	54.	52525.	54700.	55090.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.45	6.514	8.4	5.8	0.186	0.431	6.1	6.2	6.625	7.06
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	61	7.83	7.789	8.95	7.27	0.125	0.354	7.362	7.42	8.04	8.202
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	61	7.83	7.666	8.95	7.27	0.141	0.375	7.362	7.42	8.04	8.202
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	61	0.015	0.022	0.054	0.001	0.	0.015	0.006	0.009	0.038	0.043
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.7	35.579	37.3	33.3	0.798	0.893	34.22	35.1	36.25	36.58
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.009	0.009	0.021	0.003	0.	0.005	0.003	0.006	0.012	0.018
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.003	0.	0.	0.001	0.	0.001	0.002	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.004	0.	0.	0.001	0.	0.001	0.003	0.004
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.006	0.002	0.	0.001	0.002	0.002	0.004	0.006
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.004	0.005	0.009	0.002	0.	0.002	0.002	0.003	0.007	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	59	0.3	0.283	0.7	0.	0.025	0.159	0.1	0.2	0.3	0.5
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	13.	12.219	27.	3.	24.086	4.908	5.32	9.5	14.3	19.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Other-Hi Lim.	9.	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			
00406 PH, FIELD	Other-Lo Lim.	6.5	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	30	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.1	27.444	28.9	25.8	1.623	1.274	25.8	25.95	28.55	28.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	75.	58.	99.	5.	1600.25	40.003	5.	17.5	99.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	11.667	15.	5.	12.5	3.536	5.	10.	15.	15.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54050.	53975.	54200.	53600.	69166.667	262.996	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.467	7.	6.2	0.047	0.218	6.2	6.4	6.5	7.
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.87	7.924	8.27	7.74	0.032	0.178	7.74	7.805	8.045	8.27
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.87	7.897	8.27	7.74	0.032	0.18	7.74	7.805	8.045	8.27
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.013	0.013	0.018	0.005	0.	0.004	0.005	0.009	0.016	0.018
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.8	35.24	35.9	33.3	1.213	1.101	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	6	0.25	0.315	0.7	0.09	0.059	0.242	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	14.	13.556	16.	8.	5.09	2.256	8.	13.25	14.75	16.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	27.3	26.943	29.	25.4	1.84	1.356	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	20.	35.714	80.	10.	761.905	27.603	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	10.	10.	15.	5.	25.	5.	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	84.2	81.667	84.8	76.	24.173	4.917	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52300.	52442.857	53700.	51300.	652857.143	807.996	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.6	6.529	6.9	5.8	0.166	0.407	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	7	7.41	7.507	7.91	7.27	0.057	0.239	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	7	7.41	7.459	7.91	7.27	0.06	0.244	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	7	0.039	0.035	0.054	0.012	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.5	34.543	35.5	33.6	0.383	0.619	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	6	0.2	0.2	0.3	0.1	0.008	0.089	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	12.	11.667	14.5	6.5	7.367	2.714	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	27.918	29.6	25.7	1.768	1.33	25.74	26.8	28.9	29.54
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	57.727	90.	20.	536.818	23.169	24.	40.	80.	90.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	10.	10.455	15.	0.	22.273	4.719	1.	10.	15.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	11	80.	81.445	97.1	68.2	72.123	8.493	69.26	75.	89.9	95.88
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54200.	54218.182	54900.	53400.	235636.364	485.424	53480.	53800.	54700.	54880.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.5	6.518	6.7	6.3	0.02	0.14	6.32	6.4	6.7	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	11	7.4	7.406	7.5	7.35	0.002	0.047	7.352	7.36	7.42	7.494
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	11	7.4	7.404	7.5	7.35	0.002	0.047	7.352	7.36	7.42	7.494
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	11	0.04	0.039	0.045	0.032	0.	0.004	0.032	0.038	0.044	0.044
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.8	35.855	36.4	35.1	0.167	0.408	35.18	35.6	36.3	36.38
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	10	0.3	0.33	0.7	0.1	0.036	0.189	0.11	0.2	0.45	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	14.	15.182	20.5	10.	15.314	3.913	10.2	11.	19.	20.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	27.85	27.73	29.3	26.2	1.467	1.211	26.2	26.5	28.95	29.28
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	30.	31.5	80.	10.	416.944	20.419	10.5	15.	41.25	76.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	9.25	8.25	11.	3.	7.347	2.711	3.2	6.125	10.25	11.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	77.	76.55	83.8	65.8	26.074	5.106	66.41	74.225	80.125	83.62
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54700.	54033.333	56100.	51200.	2505000.	1582.719	51200.	52700.	55200.	56100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.35	6.75	8.4	5.9	0.683	0.826	5.92	6.1	7.375	8.32
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	10	7.43	7.551	7.95	7.36	0.051	0.227	7.361	7.385	7.83	7.938
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	10	7.43	7.506	7.95	7.36	0.054	0.232	7.361	7.385	7.83	7.938
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	10	0.037	0.031	0.044	0.011	0.	0.013	0.012	0.015	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.722	37.3	33.7	1.332	1.154	33.7	34.8	36.6	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	9	0.3	0.356	0.7	0.2	0.028	0.167	0.2	0.2	0.45	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	12.25	13.87	27.	8.	35.091	5.924	8.15	9.875	16.275	26.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.	27.855	29.8	26.	1.377	1.173	26.02	27.3	28.7	29.64
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	30.	43.	90.	15.	607.	24.637	17.	25.	65.	88.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	7.5	8.455	15.	0.5	21.823	4.671	1.	4.5	12.5	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	86.45	85.18	99.3	63.3	111.362	10.553	64.47	79.125	92.875	98.98
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54400.	54163.636	55100.	52500.	682545.455	826.163	52620.	53700.	54900.	55080.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.5	6.518	7.5	5.9	0.25	0.5	5.92	6.1	6.8	7.44
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	7.91	7.908	8.06	7.76	0.013	0.113	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	6	7.91	7.896	8.06	7.76	0.013	0.114	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	6	0.012	0.013	0.017	0.009	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.	35.836	36.5	34.5	0.385	0.62	34.62	35.6	36.4	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	10	0.3	0.29	0.5	0.	0.019	0.137	0.02	0.2	0.4	0.49
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	14.	15.011	24.	9.8	14.814	3.849	9.8	13.5	16.	24.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.2	27.678	29.1	25.9	1.639	1.28	25.9	26.55	28.95	29.1
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	37.222	100.	5.	1000.694	31.634	5.	12.5	60.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	8.333	15.	3.	22.25	4.717	3.	5.	13.5	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	91.2	87.267	95.2	75.4	109.613	10.47	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54600.	54500.	55500.	53300.	617500.	785.812	53300.	53700.	55100.	55500.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.344	6.6	6.	0.04	0.201	6.	6.2	6.5	6.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.98	8.059	8.29	7.94	0.016	0.125	7.94	7.96	8.16	8.29
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.98	8.044	8.29	7.94	0.016	0.126	7.94	7.96	8.16	8.29
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.01	0.009	0.011	0.005	0.	0.002	0.005	0.007	0.011	0.011
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.1	36.1	36.8	35.2	0.357	0.598	35.2	35.5	36.6	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	9	0.2	0.199	0.3	0.09	0.008	0.088	0.09	0.1	0.3	0.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	9.5	9.422	13.7	3.4	12.047	3.471	3.4	6.7	12.65	13.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.1	27.689	28.8	26.	1.024	1.012	26.	26.6	28.45	28.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	25.	33.889	100.	10.	786.111	28.038	10.	15.	45.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	8.167	15.	0.5	25.188	5.019	0.5	3.	12.25	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	78.6	79.022	86.2	70.8	16.612	4.076	70.8	77.9	81.	86.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.444	55.	51.	1.778	1.333	51.	52.5	54.5	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.444	7.	6.1	0.083	0.288	6.1	6.2	6.65	7.
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.15	8.258	8.95	8.02	0.078	0.279	8.02	8.105	8.32	8.95
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.15	8.202	8.95	8.02	0.082	0.286	8.02	8.105	8.32	8.95
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.006	0.01	0.001	0.	0.002	0.001	0.005	0.008	0.01
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.5	35.256	36.7	33.6	1.058	1.028	33.6	34.35	36.05	36.7
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/23/88-10/26/94	9	0.2	0.267	0.6	0.1	0.023	0.15	0.1	0.2	0.35	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	5.2	5.8	13.6	3.	9.855	3.139	3.	3.75	6.25	13.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.7	28.545	29.8	26.8	0.513	0.716	27.24	28.2	29.	29.3
00032	CLOUD COVER (PERCENT)	31	40.	42.548	100.	5.	899.323	29.989	10.	15.	60.	90.
00035	WIND VELOCITY (MILES PER HOUR)	31	7.5	7.79	15.	0.	19.03	4.362	2.2	5.	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	28	11.5	11.028	21.	3.03	23.636	4.862	3.91	7.5	14.65	17.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54000.	46730.433	55500.	51.	347748253.978	18648.009	54.1	52475.	54600.	55060.
00300	OXYGEN, DISSOLVED MG/L	31	6.4	6.335	7.	5.8	0.078	0.28	5.92	6.2	6.5	6.68
00406	PH, FIELD, STANDARD UNITS SU	27	7.87	7.776	8.27	7.27	0.105	0.325	7.358	7.4	8.06	8.17
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.87	7.661	8.27	7.27	0.119	0.345	7.358	7.4	8.06	8.17
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.013	0.022	0.054	0.005	0.	0.016	0.007	0.009	0.04	0.044
00480	SALINITY - PARTS PER THOUSAND	30	35.75	35.557	36.8	33.6	0.735	0.857	33.76	35.25	36.1	36.57
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.3	0.32	0.7	0.	0.035	0.188	0.1	0.2	0.425	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	13.85	13.14	27.	3.	34.4	5.865	4.	9.125	15.475	20.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.	26.038	27.3	25.4	0.192	0.438	25.47	25.825	26.175	26.81
00032	CLOUD COVER (PERCENT)	16	27.5	39.875	99.	10.	970.783	31.157	10.	20.	62.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	16	11.5	11.406	15.	4.5	12.741	3.569	4.85	10.	15.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	12.	11.389	16.67	5.18	14.059	3.75	5.304	7.82	13.75	16.402
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53350.	46164.786	55100.	53.	382377043.412	19554.464	53.5	52575.	54725.	55000.
00300	OXYGEN, DISSOLVED MG/L	16	6.6	6.756	8.4	6.2	0.267	0.516	6.34	6.5	6.875	7.56
00406	PH, FIELD, STANDARD UNITS SU	16	7.82	7.775	8.37	7.36	0.081	0.285	7.402	7.448	7.965	8.125
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.817	7.691	8.37	7.36	0.089	0.298	7.402	7.448	7.965	8.125
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.02	0.044	0.004	0.	0.013	0.008	0.011	0.036	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.2	35.407	36.5	33.3	0.782	0.884	34.02	35.	36.2	36.44
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	13	0.2	0.254	0.4	0.2	0.004	0.066	0.2	0.2	0.3	0.36
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	15	12.	11.507	16.7	5.2	13.589	3.686	5.38	9.1	14.5	16.28

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.4	27.537	28.9	25.9	0.568	0.754	26.6	27.1	28.1	28.5
00032	CLOUD COVER (PERCENT)	19	45.	46.211	100.	15.	672.842	25.939	15.	25.	75.	80.
00035	WIND VELOCITY (MILES PER HOUR)	19	10.	10.	15.	0.5	18.389	4.288	5.	7.5	15.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	17	11.	10.862	20.5	3.35	14.147	3.761	5.518	9.39	12.25	15.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53950.	44016.313	56100.	52.	477011092.496	21840.584	53.4	52000.	54900.	55820.
00300	OXYGEN, DISSOLVED MG/L	19	6.5	6.6	7.6	6.	0.203	0.451	6.1	6.3	6.8	7.5
00406	PH, FIELD, STANDARD UNITS SU	18	7.82	7.822	8.95	7.35	0.207	0.455	7.368	7.405	8.163	8.356
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.82	7.65	8.95	7.35	0.239	0.489	7.368	7.405	8.163	8.356
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.015	0.022	0.045	0.001	0.	0.017	0.005	0.007	0.039	0.043
00480	SALINITY - PARTS PER THOUSAND	16	35.8	35.781	37.3	33.9	0.966	0.983	34.11	35.075	36.475	37.02
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.236	0.6	0.09	0.02	0.142	0.09	0.1	0.3	0.46
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	18	11.5	11.278	20.5	3.4	15.088	3.884	5.83	9.35	14.	14.92

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0009

NPS Station ID: VIIS0009
 Location: WATER CREEK
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.351170/ -64.689392

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_WACR13
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.25	27.817	30.5	24.8	2.216	1.489	25.67	26.2	29.1	29.43
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	40.	44.662	100.	5.	790.165	28.11	10.	25.	60.	93.6
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	5.	5.78	15.	0.	13.316	3.649	1.	4.625	7.5	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	54.4	51.893	91.2	4.6	226.614	15.054	28.	47.4	60.125	65.59
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	60	2.5	2.608	6.67	1.25	1.126	1.061	1.5	2.	3.	3.996
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53800.	45823.	56200.	51.	376996879.288	19416.407	54.	52400.	54500.	55190.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.4	6.448	9.2	5.2	0.429	0.655	5.8	6.	6.625	7.23
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	61	7.85	7.778	8.95	7.26	0.121	0.348	7.352	7.4	8.04	8.166
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	61	7.85	7.657	8.95	7.26	0.136	0.369	7.352	7.4	8.04	8.166
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	61	0.014	0.022	0.055	0.001	0.	0.015	0.007	0.009	0.04	0.044
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.7	35.567	37.4	33.3	0.853	0.924	34.32	35.05	36.25	36.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.016	0.02	0.047	0.007	0.	0.014	0.007	0.009	0.035	0.045
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.001	0.	0.	0.	0.	0.	0.001	0.001
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.003	0.008	0.	0.	0.002	0.	0.001	0.004	0.007
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.009	0.001	0.	0.002	0.001	0.002	0.005	0.008
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.006	0.012	0.003	0.	0.003	0.003	0.004	0.009	0.011
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	60	0.4	0.482	1.3	0.1	0.074	0.273	0.2	0.3	0.5	0.89
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	2.4	2.578	6.7	1.3	1.137	1.066	1.5	2.	3.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0009

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	60	0	0.00	30	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.4	27.622	29.5	25.4	2.304	1.518	25.4	26.	28.8	29.5
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	50.	58.556	99.	10.	1349.278	36.733	10.	27.5	99.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	7.222	15.	5.	13.194	3.632	5.	5.	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	2.	1.938	2.5	1.5	0.103	0.32	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	53750.	53500.	53900.	52600.	380000.	616.441	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.333	7.1	5.4	0.22	0.469	5.4	6.1	6.6	7.1
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.89	7.941	8.22	7.79	0.022	0.149	7.79	7.83	8.055	8.22
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.89	7.921	8.22	7.79	0.023	0.15	7.79	7.83	8.055	8.22
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.013	0.012	0.016	0.006	0.	0.003	0.006	0.009	0.015	0.016
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.5	34.96	35.7	33.3	1.018	1.009	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.3	0.357	0.8	0.1	0.056	0.237	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	8	2.	1.938	2.5	1.5	0.103	0.32	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	27.5	26.886	29.4	24.8	2.598	1.612	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	30.	35.833	75.	10.	864.167	29.397	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	10.	7.857	10.	5.	7.143	2.673	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	54.5	52.4	58.6	44.1	55.87	7.475	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	2.	2.083	3.	1.5	0.342	0.585	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52300.	52471.429	53800.	51300.	622380.952	788.911	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.4	6.414	7.	5.7	0.178	0.422	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	7	7.39	7.484	7.88	7.26	0.048	0.22	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	7	7.39	7.444	7.88	7.26	0.05	0.224	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	7	0.041	0.036	0.055	0.013	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.4	34.586	35.6	33.7	0.371	0.609	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.3	0.317	0.5	0.2	0.014	0.117	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	2.	2.083	3.	1.5	0.342	0.585	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.7	28.055	30.4	25.1	2.487	1.577	25.24	27.1	28.8	30.18
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	60.	54.909	99.	15.	656.091	25.614	18.	30.	70.	97.2
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	5.455	10.	0.	12.273	3.503	0.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	11	54.	51.036	65.2	27.2	158.015	12.57	27.36	49.7	59.5	64.96
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	2.5	2.273	3.	1.25	0.331	0.575	1.3	1.75	2.5	3.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54000.	54163.636	55200.	53200.	396545.455	629.719	53260.	53800.	54700.	55180.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.3	6.482	9.2	5.2	0.966	0.983	5.36	6.1	6.6	8.68
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	11	7.38	7.401	7.55	7.33	0.004	0.061	7.334	7.36	7.44	7.528
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	11	7.38	7.397	7.55	7.33	0.004	0.061	7.334	7.36	7.44	7.528
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	11	0.042	0.04	0.047	0.028	0.	0.005	0.03	0.036	0.044	0.046
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.7	35.836	36.6	35.1	0.233	0.482	35.14	35.6	36.3	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.4	0.5	1.3	0.2	0.096	0.309	0.21	0.375	0.55	1.24
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	2.5	2.282	3.	1.3	0.316	0.562	1.34	1.8	2.5	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.05	27.92	30.1	25.6	2.193	1.481	25.65	26.475	29.125	30.01
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	37.5	41.2	90.	12.	696.622	26.394	12.3	15.	57.5	89.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	5.4	13.	2.5	9.267	3.044	2.5	2.875	6.5	12.35
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	54.75	53.52	63.4	40.	65.155	8.072	40.08	47.175	60.05	63.26
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	2.7	2.771	4.	2.	0.436	0.66	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54400.	53922.222	56200.	51100.	2714444.444	1647.557	51100.	52650.	55300.	56200.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.45	6.56	7.9	5.7	0.518	0.72	5.72	5.9	6.925	7.87
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	10	7.425	7.541	7.9	7.34	0.052	0.229	7.341	7.365	7.835	7.895
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	10	7.423	7.494	7.9	7.34	0.055	0.234	7.341	7.365	7.835	7.895
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	10	0.038	0.032	0.046	0.013	0.	0.014	0.013	0.015	0.043	0.046
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.711	37.4	33.7	1.439	1.199	33.7	34.75	36.7	37.4
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.5	0.522	1.	0.2	0.052	0.228	0.2	0.4	0.65	1.
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.35	2.44	4.	1.5	0.594	0.771	1.5	1.875	3.	3.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	28.073	30.5	25.8	2.312	1.521	25.86	26.2	29.2	30.28
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	45.	50.	85.	30.	280.	16.733	30.	40.	60.	82.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	5.227	12.5	1.	9.668	3.109	1.3	3.	7.5	11.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	48.5	46.77	91.2	17.6	443.227	21.053	18.64	30.625	58.25	88.34
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	2.125	2.287	4.2	1.25	0.818	0.905	1.275	1.515	2.825	4.1
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54300.	54154.545	55200.	52400.	670727.273	818.979	52580.	53700.	54900.	55160.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.9	6.809	8.2	5.4	0.589	0.767	5.5	6.5	7.2	8.08
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	7.905	7.908	8.09	7.77	0.016	0.126	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	6	7.902	7.894	8.09	7.77	0.016	0.127	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	6	0.013	0.013	0.017	0.008	0.	0.004	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.	35.882	36.6	34.6	0.4	0.632	34.7	35.4	36.4	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.55	0.69	1.3	0.2	0.119	0.345	0.23	0.5	0.975	1.29
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.15	2.3	4.2	1.3	0.804	0.897	1.32	1.5	2.825	4.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.5	27.922	29.8	25.6	2.624	1.62	25.6	26.45	29.45	29.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	31.667	100.	5.	906.25	30.104	5.	7.5	45.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	3.	2.944	5.	0.	4.778	2.186	0.	0.5	5.	5.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	52.2	42.933	72.	4.6	1200.093	34.642	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	2.8	2.802	3.96	1.52	0.838	0.915	1.52	1.92	3.655	3.96
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54600.	54533.333	55400.	53400.	580000.	761.577	53400.	53750.	55200.	55400.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	6.244	7.3	5.8	0.21	0.459	5.8	5.9	6.4	7.3
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.03	8.03	8.27	7.91	0.013	0.115	7.91	7.925	8.095	8.27
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.03	8.018	8.27	7.91	0.013	0.115	7.91	7.925	8.095	8.27
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.009	0.01	0.012	0.005	0.	0.002	0.005	0.008	0.012	0.012
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	36.111	36.8	35.2	0.381	0.617	35.2	35.45	36.65	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.478	1.2	0.2	0.094	0.307	0.2	0.3	0.6	1.2
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.4	2.878	4.	1.5	0.932	0.965	1.5	1.9	3.7	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.6	27.911	29.1	26.1	1.659	1.288	26.1	26.3	28.95	29.1
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	34.444	100.	5.	790.278	28.112	5.	15.	42.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	7.056	15.	0.	29.278	5.411	0.	3.	12.5	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	59.2	59.644	70.3	47.5	56.348	7.507	47.5	53.8	65.65	70.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.64	4.	6.67	2.12	2.321	1.523	2.12	2.52	5.17	6.67
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.333	55.	51.	2.25	1.5	51.	52.	54.5	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	6.189	6.6	5.9	0.059	0.242	5.9	6.	6.4	6.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.12	8.228	8.95	8.04	0.081	0.285	8.04	8.07	8.26	8.95
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.12	8.172	8.95	8.04	0.085	0.291	8.04	8.07	8.26	8.95
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.008	0.007	0.009	0.001	0.	0.003	0.001	0.006	0.009	0.009
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.5	35.267	36.8	33.5	1.232	1.11	33.5	34.3	36.1	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.4	0.6	0.2	0.013	0.112	0.2	0.35	0.45	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.6	4.	6.7	2.1	2.395	1.548	2.1	2.5	5.2	6.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.	28.81	30.5	26.6	0.875	0.935	27.14	28.3	29.4	30.04
00032	CLOUD COVER (PERCENT)	31	40.	43.581	100.	5.	763.918	27.639	6.	15.	60.	89.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	5.371	15.	0.	17.099	4.135	0.	2.5	7.5	12.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	2.5	2.628	4.85	1.5	0.693	0.832	1.52	2.06	3.	4.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53900.	46643.733	55400.	51.	346557429.789	18616.053	54.	52375.	54500.	55080.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.342	9.2	5.2	0.585	0.765	5.72	5.9	6.5	7.26
00406	PH, FIELD, STANDARD UNITS SU	27	7.85	7.763	8.19	7.26	0.099	0.314	7.346	7.38	8.04	8.13
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.85	7.653	8.19	7.26	0.111	0.334	7.346	7.38	8.04	8.13
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.014	0.022	0.055	0.006	0.	0.016	0.007	0.009	0.042	0.045
00480	SALINITY - PARTS PER THOUSAND	30	35.6	35.513	36.8	33.5	0.767	0.876	33.77	35.05	36.1	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.5	0.553	1.3	0.2	0.071	0.266	0.3	0.4	0.7	0.99
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	29	2.5	2.652	4.9	1.5	0.727	0.853	1.5	2.05	3.1	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.8	25.725	26.2	24.8	0.151	0.389	25.01	25.525	26.1	26.13
00032	CLOUD COVER (PERCENT)	15	30.	42.533	99.	10.	965.41	31.071	10.	20.	60.	99.
00035	WIND VELOCITY (MILES PER HOUR)	16	7.	7.5	15.	2.5	14.267	3.777	2.5	5.	10.	13.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	2.25	2.643	5.49	1.5	1.348	1.161	1.51	1.928	3.24	4.845
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53400.	46057.714	55200.	53.	380533323.143	19507.263	54.	52400.	54425.	54950.
00300	OXYGEN, DISSOLVED MG/L	16	6.6	6.781	8.2	6.1	0.31	0.556	6.24	6.425	6.925	7.78
00406	PH, FIELD, STANDARD UNITS SU	16	7.9	7.783	8.33	7.35	0.08	0.283	7.392	7.455	7.96	8.127
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.9	7.697	8.33	7.35	0.088	0.297	7.392	7.455	7.96	8.127
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.013	0.02	0.045	0.005	0.	0.013	0.008	0.011	0.035	0.041
00480	SALINITY - PARTS PER THOUSAND	15	35.2	35.42	36.6	33.3	0.777	0.882	34.08	35.	36.2	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.4	0.493	1.3	0.2	0.121	0.347	0.2	0.275	0.55	1.25
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	2.	2.531	5.5	1.5	1.285	1.134	1.5	1.775	2.9	4.59

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.2	27.958	29.5	26.2	0.81	0.9	26.5	27.4	28.7	29.1
00032	CLOUD COVER (PERCENT)	19	45.	48.105	100.	10.	767.099	27.697	10.	30.	70.	99.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	5.	10.	0.	4.139	2.034	1.	5.	5.	7.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	17	2.	2.546	6.67	1.25	1.841	1.357	1.25	1.5	3.175	4.502
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53900.	44078.75	56200.	51.	478403954.467	21872.447	53.1	52150.	55075.	55850.
00300	OXYGEN, DISSOLVED MG/L	19	6.4	6.342	7.2	5.4	0.186	0.431	5.7	6.	6.6	7.
00406	PH, FIELD, STANDARD UNITS SU	18	7.805	7.796	8.95	7.34	0.205	0.453	7.349	7.378	8.113	8.338
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.805	7.628	8.95	7.34	0.235	0.485	7.349	7.378	8.112	8.338
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.016	0.024	0.046	0.001	0.	0.017	0.005	0.008	0.042	0.045
00480	SALINITY - PARTS PER THOUSAND	16	35.75	35.806	37.4	33.7	1.115	1.056	34.12	35.025	36.575	37.12
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.35	0.338	0.6	0.1	0.019	0.136	0.17	0.2	0.4	0.53
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	18	2.	2.5	6.7	1.3	1.796	1.34	1.3	1.5	3.1	4.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0010

NPS Station ID: VIIS0010
 Location: PRINCESS BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.357199/ -64.693254

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_PRBA14
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.2	27.986	30.5	25.2	1.952	1.397	26.	26.675	29.2	29.63
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	35.	43.523	100.	0.	873.535	29.556	10.	22.5	60.	98.4
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	65	5.	5.5	15.	0.	9.961	3.156	2.	3.25	6.25	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	47	56.9	56.949	77.4	12.9	107.01	10.345	46.48	51.2	64.5	67.34
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	3.	3.093	6.36	1.7	0.946	0.973	2.	2.275	3.96	4.54
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53950.	45862.7	56300.	51.	377746799.197	19435.709	54.1	52300.	54500.	55290.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.5	6.505	7.4	5.8	0.159	0.399	6.	6.2	6.8	7.1
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	61	7.83	7.775	8.95	7.27	0.124	0.353	7.354	7.405	8.035	8.184
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	61	7.83	7.653	8.95	7.27	0.14	0.374	7.354	7.405	8.035	8.184
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	61	0.015	0.022	0.054	0.001	0.	0.015	0.007	0.009	0.039	0.044
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	60	35.75	35.557	37.5	32.8	0.94	0.969	34.31	35.	36.2	36.69
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.01	0.01	0.018	0.001	0.	0.005	0.001	0.008	0.014	0.017
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.	0.	0.	0.001	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.01	0.	0.	0.003	0.	0.001	0.003	0.008
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.01	0.001	0.	0.003	0.001	0.001	0.004	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.008	0.026	0.002	0.	0.006	0.002	0.004	0.011	0.022
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.4	0.468	3.1	0.1	0.157	0.396	0.2	0.3	0.5	0.7
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	3.	3.178	9.	1.9	1.445	1.202	2.	2.3	4.	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	30	0	0.00	14	0	0.00	15	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	27.689	29.7	25.8	1.864	1.365	25.8	26.15	28.7	29.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	8	57.5	57.75	99.	10.	1578.214	39.727	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	8	5.	6.25	10.	5.	5.357	2.315	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	2.5	2.625	4.	2.	0.482	0.694	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	53850.	53575.	54300.	52300.	782500.	884.59	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.611	7.4	6.3	0.131	0.362	6.3	6.35	6.8	7.4
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.85	7.897	8.27	7.48	0.05	0.224	7.48	7.805	8.05	8.27
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.85	7.845	8.27	7.48	0.053	0.231	7.48	7.805	8.05	8.27
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.014	0.014	0.033	0.005	0.	0.008	0.005	0.009	0.016	0.033
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.5	34.86	35.9	32.8	1.663	1.29	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.3	0.4	0.8	0.1	0.053	0.231	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.5	2.556	4.	2.	0.465	0.682	2.	2.	3.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	27.6	27.171	29.4	25.2	2.196	1.482	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	20.	31.429	80.	0.	747.619	27.343	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	5.	5.	5.	0.	0.	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	4	51.55	54.025	66.5	46.5	75.116	8.667	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	2.5	2.5	3.5	2.	0.333	0.577	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52100.	52400.	53700.	51200.	673333.333	820.569	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.8	6.714	7.4	6.	0.241	0.491	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	7	7.4	7.503	7.88	7.27	0.048	0.22	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	7	7.4	7.462	7.88	7.27	0.05	0.224	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	7	0.04	0.035	0.054	0.013	0.	0.014	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.4	34.543	35.4	33.6	0.34	0.583	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.3	0.3	0.4	0.2	0.012	0.11	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	2.5	2.5	3.5	2.	0.333	0.577	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.9	28.291	30.4	25.5	2.321	1.523	25.62	27.2	29.3	30.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	60.818	99.	25.	746.364	27.32	26.	30.	90.	98.2
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	5.909	10.	0.	9.091	3.015	1.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	11	56.5	56.636	69.	48.6	34.669	5.888	48.68	52.	60.	67.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	2.75	3.005	4.25	2.25	0.555	0.745	2.25	2.3	4.	4.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54100.	54154.545	55300.	53100.	372727.273	610.514	53200.	53900.	54500.	55240.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.5	6.473	7.	5.8	0.164	0.405	5.84	6.1	6.9	6.98
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	11	7.38	7.397	7.48	7.34	0.002	0.049	7.34	7.35	7.45	7.476
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	11	7.38	7.395	7.48	7.34	0.002	0.049	7.34	7.35	7.45	7.476
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	11	0.042	0.04	0.046	0.033	0.	0.004	0.033	0.035	0.045	0.046
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	10	35.8	35.88	36.7	35.1	0.248	0.498	35.13	35.475	36.275	36.68
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.444	1.	0.3	0.055	0.235	0.3	0.3	0.55	1.
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	2.8	3.027	4.3	2.3	0.548	0.74	2.3	2.3	4.	4.24

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	28.1	27.96	29.9	25.7	2.167	1.472	25.75	26.575	29.25	29.85
00032	CLOUD COVER (PERCENT)	10	37.5	42.8	98.	15.	720.622	26.844	15.5	23.75	57.5	96.2
00035	WIND VELOCITY (MILES PER HOUR)	10	5.	5.95	15.	2.	18.747	4.33	2.05	2.5	6.875	14.75
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	57.65	57.75	67.	49.5	37.167	6.096	49.62	51.075	64.	66.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	3.	3.214	5.	2.	1.238	1.113	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54500.	53977.778	56300.	51100.	2704444.444	1644.52	51100.	52750.	55300.	56300.
00300	OXYGEN, DISSOLVED MG/L	10	6.7	6.58	7.3	5.8	0.26	0.509	5.82	6.15	6.975	7.29
00406	PH, FIELD, STANDARD UNITS SU	10	7.45	7.537	7.9	7.34	0.044	0.21	7.341	7.365	7.77	7.89
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.446	7.497	7.9	7.34	0.046	0.214	7.341	7.365	7.77	7.89
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.036	0.032	0.046	0.013	0.	0.013	0.013	0.017	0.043	0.046
00480	SALINITY - PARTS PER THOUSAND	9	36.1	35.711	37.5	33.6	1.496	1.223	33.6	34.8	36.65	37.5
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.489	0.8	0.3	0.031	0.176	0.3	0.35	0.65	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.	3.75	9.	2.	4.236	2.058	2.05	2.5	4.625	8.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.3	28.255	30.5	26.2	1.907	1.381	26.24	26.9	29.3	30.36
00032	CLOUD COVER (PERCENT)	11	40.	45.	90.	10.	420.	20.494	14.	35.	60.	84.
00035	WIND VELOCITY (MILES PER HOUR)	11	3.	3.773	10.	0.5	7.768	2.787	0.6	2.5	5.	9.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	65.	61.81	77.4	45.	105.512	10.272	45.14	51.575	67.35	76.41
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	2.5	2.728	4.	1.88	0.542	0.736	1.892	2.15	3.5	3.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54500.	54307.273	55480.	52300.	770181.818	877.6	52500.	54100.	54800.	55404.
00300	OXYGEN, DISSOLVED MG/L	11	6.5	6.591	7.1	6.	0.153	0.391	6.	6.4	7.	7.1
00406	PH, FIELD, STANDARD UNITS SU	6	7.89	7.887	8.09	7.67	0.022	0.147	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	6	7.888	7.866	8.09	7.67	0.022	0.149	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	6	0.013	0.014	0.021	0.008	0.	0.005	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	36.	35.873	36.5	34.5	0.4	0.633	34.6	35.5	36.4	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.45	0.48	0.8	0.1	0.051	0.225	0.11	0.35	0.7	0.79
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	2.5	2.73	4.	1.9	0.538	0.733	1.91	2.15	3.5	3.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.7	28.167	30.1	25.8	2.37	1.539	25.8	26.95	29.55	30.1
00032	CLOUD COVER (PERCENT)	9	25.	30.556	100.	5.	871.528	29.522	5.	10.	40.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	5.611	15.	2.	15.611	3.951	2.	2.75	6.5	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	62.5	46.167	63.1	12.9	830.093	28.811	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.96	3.61	4.57	1.7	0.928	0.963	1.7	3.05	4.42	4.57
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	54588.889	55500.	53300.	688611.111	829.826	53300.	53750.	55350.	55500.
00300	OXYGEN, DISSOLVED MG/L	9	6.3	6.267	6.5	5.9	0.045	0.212	5.9	6.1	6.5	6.5
00406	PH, FIELD, STANDARD UNITS SU	9	7.97	8.046	8.29	7.93	0.016	0.126	7.93	7.95	8.155	8.29
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.97	8.031	8.29	7.93	0.016	0.127	7.93	7.95	8.155	8.29
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.011	0.009	0.012	0.005	0.	0.002	0.005	0.007	0.011	0.012
00480	SALINITY - PARTS PER THOUSAND	9	36.2	36.122	36.9	35.1	0.434	0.659	35.1	35.45	36.65	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.389	0.7	0.1	0.029	0.169	0.1	0.3	0.5	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.	3.678	4.6	2.	0.799	0.894	2.	3.1	4.45	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.7	28.067	29.3	26.4	1.305	1.142	26.4	26.7	28.9	29.3
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	31.111	100.	5.	798.611	28.26	5.	10.	35.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	7.5	6.222	10.	0.5	11.257	3.355	0.5	3.5	9.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	9	55.3	55.933	72.2	38.7	96.262	9.811	38.7	50.1	63.3	72.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.64	3.87	6.36	2.12	1.565	1.251	2.12	3.01	4.7	6.36
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.556	55.	51.	2.028	1.424	51.	52.5	55.	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.322	6.8	6.	0.077	0.277	6.	6.05	6.55	6.8
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.13	8.243	8.95	8.03	0.078	0.28	8.03	8.1	8.285	8.95
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.13	8.189	8.95	8.03	0.082	0.286	8.03	8.1	8.285	8.95
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.006	0.009	0.001	0.	0.002	0.001	0.005	0.008	0.009
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.5	35.267	36.7	33.5	1.183	1.087	33.5	34.3	36.1	36.7
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.7	3.1	0.2	0.823	0.907	0.2	0.35	0.55	3.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.6	3.878	6.4	2.1	1.632	1.277	2.1	3.	4.75	6.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.1	28.919	30.5	27.1	0.802	0.896	27.46	28.2	29.5	30.06
00032	CLOUD COVER (PERCENT)	30	40.	43.3	100.	5.	758.769	27.546	10.	25.	52.5	94.5
00035	WIND VELOCITY (MILES PER HOUR)	30	5.	4.933	15.	0.	9.599	3.098	1.1	2.5	5.	9.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.	3.278	5.	2.	0.867	0.931	2.	2.5	4.135	4.57
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53950.	46687.1	55500.	51.	347312833.059	18636.331	54.1	52250.	54500.	55170.
00300	OXYGEN, DISSOLVED MG/L	31	6.3	6.361	7.4	5.8	0.151	0.389	5.92	6.	6.6	6.9
00406	PH, FIELD, STANDARD UNITS SU	27	7.85	7.759	8.23	7.27	0.102	0.32	7.34	7.37	8.04	8.158
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.85	7.647	8.23	7.27	0.115	0.339	7.34	7.37	8.04	8.158
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.014	0.023	0.054	0.006	0.	0.016	0.007	0.009	0.043	0.046
00480	SALINITY - PARTS PER THOUSAND	29	35.7	35.503	36.9	33.5	0.861	0.928	33.6	34.9	36.1	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.4	0.563	3.1	0.1	0.269	0.519	0.3	0.3	0.6	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.	3.247	5.	2.	0.905	0.951	2.	2.5	4.075	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.05	26.081	26.9	25.2	0.186	0.431	25.41	25.8	26.4	26.69
00032	CLOUD COVER (PERCENT)	16	27.5	39.125	99.	0.	1210.917	34.798	7.	10.	70.	99.
00035	WIND VELOCITY (MILES PER HOUR)	16	5.	6.188	15.	2.5	12.129	3.483	2.5	3.5	9.5	11.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	2.5	2.659	4.	1.7	0.56	0.749	1.79	2.	3.163	3.98
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53400.	46043.429	55100.	53.	380317956.11	19501.742	54.	52375.	54500.	54950.
00300	OXYGEN, DISSOLVED MG/L	16	6.75	6.781	7.4	6.2	0.136	0.369	6.2	6.5	7.1	7.33
00406	PH, FIELD, STANDARD UNITS SU	16	7.805	7.761	8.34	7.35	0.084	0.29	7.392	7.48	7.965	8.165
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.799	7.677	8.34	7.35	0.092	0.303	7.392	7.48	7.965	8.165
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.016	0.021	0.045	0.005	0.	0.013	0.007	0.011	0.033	0.041
00480	SALINITY - PARTS PER THOUSAND	15	35.2	35.34	36.5	32.8	0.911	0.955	33.82	35.	36.1	36.38
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.3	0.35	0.7	0.1	0.03	0.174	0.15	0.2	0.4	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	2.6	3.106	9.	1.9	2.934	1.713	1.97	2.05	3.4	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.2	28.068	29.7	26.3	0.825	0.908	26.7	27.4	28.7	29.2
00032	CLOUD COVER (PERCENT)	19	40.	47.579	100.	10.	839.702	28.978	10.	30.	75.	99.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	5.816	12.5	0.5	8.784	2.964	2.	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.	3.131	6.36	2.	1.266	1.125	2.	2.275	3.72	4.749
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54100.	44158.813	56300.	52.	480237166.829	21914.314	53.4	52100.	55250.	55880.
00300	OXYGEN, DISSOLVED MG/L	19	6.5	6.505	7.2	6.	0.106	0.326	6.	6.3	6.8	6.9
00406	PH, FIELD, STANDARD UNITS SU	18	7.815	7.811	8.95	7.34	0.207	0.455	7.376	7.39	8.153	8.356
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.815	7.641	8.95	7.34	0.237	0.487	7.376	7.39	8.153	8.356
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.015	0.023	0.046	0.001	0.	0.017	0.005	0.007	0.041	0.042
00480	SALINITY - PARTS PER THOUSAND	16	35.9	35.856	37.5	33.8	1.091	1.044	34.15	35.125	36.675	37.15
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	15	0.4	0.387	0.7	0.1	0.023	0.151	0.16	0.3	0.5	0.64
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.	3.132	6.4	2.	1.222	1.106	2.	2.3	3.6	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0011

NPS Station ID: VIIS0011
 Location: SABBAT CHANNEL NANNY PT
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.330559/ -64.698616

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-64 /STJ-14 /STJ60(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0011

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	29.1	29.4	28.9	0.07	0.265	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.45	6.425	6.7	6.1	0.103	0.32	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.55	33.55	33.8	33.3	0.125	0.354	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	7.5	7.5	12.	3.	40.5	6.364	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.065	0.065	0.12	0.01	0.006	0.078	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2 ##	0.011	0.011	0.017	0.005	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.85	2.85	3.2	2.5	0.245	0.495	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	6.	24.	0.	144.	12.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.	0.345	1.38	0.	0.476	0.69	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.213								
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0011

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4 0 0.00	4 0 0.00		
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2 0 0.00	2 0 0.00		
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2 0 0.00	2 0 0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0012

NPS Station ID: VIIS0012
 Location: MARY CREEK
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.367226/ -64.700559

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-72D
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0012

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.9	29.9	27.8	1.11	1.054	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.4	6.325	6.6	5.9	0.096	0.31	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	34.	34.	34.8	33.2	1.28	1.131	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2	1.15	1.15	2.1	0.2	1.805	1.344	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.015	0.015	0.019	0.01	0.	0.006	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	1.45	1.45	2.8	0.1	3.645	1.909	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	0.25	1.	0.	0.25	0.5	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.	0.	0.	0.	0.	0.	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0012

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0013

NPS Station ID: VIIS0013
 Location: JOHNSON BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.332115/ -64.701976

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_JOBA16
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.15	27.947	30.1	25.4	1.619	1.272	26.07	26.825	29.025	29.5
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	30.	41.182	100.	5.	694.92	26.361	10.	20.	60.	79.5
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	7.75	7.955	17.5	0.5	13.459	3.669	4.7	5.	10.	15.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	47	73.6	74.538	93.2	47.8	54.824	7.404	66.98	70.7	78.	85.18
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	3.	3.324	7.	2.	0.735	0.858	2.408	2.75	3.95	4.264
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53800.	45819.7	56300.	51.	377049514.451	19417.763	54.1	52275.	54600.	55100.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.6	6.705	8.	6.	0.189	0.435	6.17	6.4	7.	7.4
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	61	7.83	7.793	8.83	7.27	0.13	0.361	7.362	7.41	8.105	8.228
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	61	7.83	7.663	8.83	7.27	0.147	0.384	7.362	7.41	8.105	8.228
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	61	0.015	0.022	0.054	0.001	0.	0.015	0.006	0.008	0.039	0.043
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	60	35.7	35.54	37.4	33.4	0.916	0.957	33.84	34.925	36.2	36.69
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.01	0.011	0.026	0.004	0.	0.006	0.004	0.007	0.012	0.023
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.001	0.	0.001	0.001	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.003	0.006	0.	0.	0.002	0.001	0.002	0.005	0.006
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.004	0.008	0.002	0.	0.002	0.002	0.002	0.006	0.007
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.005	0.011	0.002	0.	0.003	0.002	0.003	0.007	0.01
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	60	0.3	0.321	0.9	0.06	0.028	0.166	0.11	0.2	0.4	0.5
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	3.	3.317	9.	1.5	1.052	1.026	2.36	2.75	3.85	4.24

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0013

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	60	0	0.00	30	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.1	27.733	29.5	26.	1.763	1.328	26.	26.25	28.95	29.5
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	46.556	99.	10.	1174.278	34.268	10.	12.5	75.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	7.222	10.	5.	6.944	2.635	5.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	3.	2.875	3.5	2.5	0.125	0.354	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	53700.	53225.	54000.	51500.	1369166.667	1170.114	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.5	6.633	7.6	6.1	0.18	0.424	6.1	6.4	6.8	7.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.85	7.902	8.26	7.35	0.072	0.268	7.35	7.815	8.145	8.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.85	7.82	8.26	7.35	0.079	0.282	7.35	7.815	8.145	8.26
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.014	0.015	0.045	0.005	0.	0.012	0.005	0.007	0.015	0.045
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.4	34.78	35.7	33.4	1.192	1.092	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.266	0.6	0.06	0.042	0.204	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	2.722	3.5	1.5	0.319	0.565	1.5	2.5	3.	3.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	27.6	27.271	29.3	25.4	2.039	1.428	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	30.	38.571	70.	20.	347.619	18.645	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	7.857	15.	5.	15.476	3.934	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	4	74.1	73.025	76.8	67.1	19.149	4.376	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	3.	2.857	3.	2.5	0.06	0.244	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52200.	52442.857	53700.	51300.	626190.476	791.322	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.8	6.729	7.	6.4	0.066	0.256	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	7	7.41	7.514	7.95	7.27	0.06	0.245	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	7	7.41	7.465	7.95	7.27	0.063	0.25	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	7	0.039	0.034	0.054	0.011	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.5	34.543	35.5	33.7	0.353	0.594	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.25	0.333	0.6	0.2	0.031	0.175	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	3.	2.857	3.	2.5	0.06	0.244	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	28.155	29.8	26.	1.469	1.212	26.06	27.2	29.	29.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	56.273	99.	30.	556.818	23.597	30.	40.	70.	97.2
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	10.	9.091	10.	5.	4.091	2.023	5.	10.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	11	72.	74.918	85.5	64.9	49.788	7.056	65.52	69.5	82.2	85.42
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	3.	3.214	4.5	2.	0.555	0.745	2.1	2.75	4.	4.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54100.	54172.727	55400.	53400.	402181.818	634.178	53420.	53600.	54700.	55280.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.7	6.682	7.2	6.	0.118	0.343	6.06	6.4	6.9	7.16
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	11	7.4	7.395	7.45	7.34	0.002	0.04	7.34	7.36	7.43	7.45
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	11	7.4	7.394	7.45	7.34	0.002	0.04	7.34	7.36	7.43	7.45
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	11	0.04	0.04	0.046	0.035	0.	0.004	0.035	0.037	0.044	0.046
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	10	35.95	35.93	36.9	35.2	0.258	0.508	35.22	35.55	36.3	36.84
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.3	0.35	0.8	0.2	0.034	0.184	0.2	0.2	0.425	0.77
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	3.	3.227	4.5	2.	0.546	0.739	2.1	2.8	4.	4.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	28.15	27.98	29.6	25.9	1.72	1.311	25.96	26.8	29.3	29.57
00032	CLOUD COVER (PERCENT)	10	32.5	37.5	75	15	379.167	19.472	15.5	23.75	56.25	73.5
00035	WIND VELOCITY (MILES PER HOUR)	10	7.5	7.2	10	5	2.956	1.719	5	5	8.25	9.9
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	70.45	68.61	77	47.8	64.737	8.046	49.45	67.675	73.225	76.66
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	3.8	4.071	7	3	1.849	1.36	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54300	53966.667	56300	51000	2790000	1670.329	51000	52800	55400	56300
00300	OXYGEN, DISSOLVED MG/L	10	6.8	6.89	8	6	0.454	0.674	6.02	6.35	7.5	7.95
00406	PH, FIELD, STANDARD UNITS SU	10	7.5	7.56	7.91	7.35	0.041	0.203	7.353	7.395	7.778	7.902
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.5	7.522	7.91	7.35	0.043	0.207	7.353	7.395	7.778	7.902
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.032	0.03	0.045	0.012	0	0.012	0.013	0.017	0.04	0.044
00480	SALINITY - PARTS PER THOUSAND	9	35.9	35.633	37.4	33.5	1.487	1.22	33.5	34.75	36.6	37.4
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.411	0.9	0.2	0.039	0.196	0.2	0.3	0.4	0.9
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.6	3.95	9	2.5	3.401	1.844	2.55	3	4	8.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.4	28.164	30.1	26.3	1.665	1.29	26.32	26.9	29.1	30.04
00032	CLOUD COVER (PERCENT)	11	40	41.818	75	15	361.364	19.01	16	25	55	73
00035	WIND VELOCITY (MILES PER HOUR)	11	5	5.864	15	0.5	18.205	4.267	0.6	2.5	7.5	14
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	77.4	77.63	89.1	66.5	46.796	6.841	66.92	72.575	82.125	88.77
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	2.55	2.654	3.6	2	0.274	0.523	2.02	2.23	3.063	3.565
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54500	54209.091	55100	52500	690909.091	831.209	52580	54000	54900	55080
00300	OXYGEN, DISSOLVED MG/L	11	6.7	6.755	7.4	6	0.225	0.474	6.02	6.3	7.1	7.4
00406	PH, FIELD, STANDARD UNITS SU	6	7.895	7.913	8.13	7.74	0.018	0.135	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	6	7.894	7.897	8.13	7.74	0.019	0.137	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	6	0.013	0.013	0.018	0.007	0	0.004	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	36	35.827	36.5	34.5	0.396	0.629	34.58	35.5	36.3	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.3	0.3	0.5	0.1	0.018	0.133	0.11	0.2	0.425	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	2.55	2.66	3.6	2	0.28	0.53	2.02	2.2	3.075	3.57

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.6	27.978	29.5	26	1.932	1.39	26	26.7	29.4	29.5
00032	CLOUD COVER (PERCENT)	9	20	27.222	100	5	825.694	28.735	5	10	30	100
00035	WIND VELOCITY (MILES PER HOUR)	9	10	9.111	15	4	16.611	4.076	4	5	12.5	15
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	82.2	85.8	93.2	82	41.08	6.409	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.96	3.861	5.49	2.44	0.651	0.807	2.44	3.505	4.115	5.49
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600	54533.333	55500	53300	640000	800	53300	53700	55150	55500
00300	OXYGEN, DISSOLVED MG/L	9	6.6	6.544	7	6.3	0.043	0.207	6.3	6.4	6.6	7
00406	PH, FIELD, STANDARD UNITS SU	9	8.1	8.096	8.3	7.98	0.012	0.107	7.98	8	8.175	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	8.1	8.084	8.3	7.98	0.012	0.108	7.98	8	8.175	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.008	0.008	0.01	0.005	0	0.002	0.005	0.007	0.01	0.01
00480	SALINITY - PARTS PER THOUSAND	9	36.2	36.122	36.9	35.2	0.399	0.632	35.2	35.45	36.65	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.2	0.242	0.5	0.08	0.016	0.127	0.08	0.15	0.3	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4	3.889	5.5	2.4	0.666	0.816	2.4	3.55	4.15	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.5	28.1	29.6	26.2	1.478	1.216	26.2	26.8	29.05	29.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	25.	36.667	100.	5.	1200.	34.641	5.	10.	62.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	8.	9.611	17.5	0.5	29.299	5.413	0.5	6.25	15.	17.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	9	74.	74.144	78.	70.8	5.123	2.263	70.8	72.25	75.9	78.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.94	3.844	4.55	3.03	0.234	0.483	3.03	3.485	4.255	4.55
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.556	56.	51.	3.028	1.74	51.	52.	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.6	6.678	7.8	6.1	0.244	0.494	6.1	6.4	6.9	7.8
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.15	8.262	8.83	8.05	0.06	0.245	8.05	8.1	8.38	8.83
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.15	8.215	8.83	8.05	0.063	0.25	8.05	8.1	8.38	8.83
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.006	0.009	0.001	0.	0.002	0.001	0.004	0.008	0.009
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.5	35.278	36.8	33.6	1.222	1.105	33.6	34.25	36.15	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.333	0.5	0.1	0.02	0.141	0.1	0.25	0.5	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.9	3.833	4.6	3.	0.258	0.507	3.	3.45	4.25	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.	28.832	30.1	26.9	0.655	0.809	27.5	28.3	29.4	29.76
00032	CLOUD COVER (PERCENT)	31	35.	41.742	100.	5.	778.731	27.906	10.	20.	55.	90.
00035	WIND VELOCITY (MILES PER HOUR)	31	7.5	7.371	15.	0.5	9.716	3.117	4.2	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.25	3.459	7.	2.	1.034	1.017	2.44	2.825	3.96	4.55
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53800.	46590.433	55500.	51.	345945758.806	18599.617	54.1	52025.	54600.	55100.
00300	OXYGEN, DISSOLVED MG/L	31	6.5	6.594	7.8	6.	0.208	0.456	6.02	6.3	6.8	7.44
00406	PH, FIELD, STANDARD UNITS SU	27	7.84	7.784	8.37	7.27	0.113	0.337	7.34	7.4	8.11	8.184
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.84	7.663	8.37	7.27	0.129	0.359	7.34	7.4	8.11	8.184
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.014	0.022	0.054	0.004	0.	0.016	0.007	0.008	0.04	0.046
00480	SALINITY - PARTS PER THOUSAND	29	35.6	35.455	36.9	33.5	0.893	0.945	33.7	34.85	36.1	36.5
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.3	0.36	0.9	0.1	0.033	0.181	0.2	0.2	0.5	0.59
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.15	3.467	9.	1.5	1.762	1.327	2.22	2.8	4.	4.54

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.2	26.194	26.9	25.4	0.138	0.371	25.61	26.	26.475	26.69
00032	CLOUD COVER (PERCENT)	16	27.5	34.688	75.	10.	538.229	23.2	10.	16.25	55.	75.
00035	WIND VELOCITY (MILES PER HOUR)	16	8.	7.688	15.	2.5	10.663	3.265	2.85	5.	10.	11.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	3.	3.095	4.27	2.24	0.37	0.608	2.32	2.5	3.54	4.115
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53400.	46122.	55100.	53.	381607804.462	19534.784	54.	52500.	54575.	55000.
00300	OXYGEN, DISSOLVED MG/L	16	6.85	6.938	8.	6.4	0.165	0.406	6.54	6.625	7.075	7.65
00406	PH, FIELD, STANDARD UNITS SU	16	7.835	7.785	8.39	7.35	0.105	0.323	7.371	7.458	8.035	8.208
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.827	7.68	8.39	7.35	0.116	0.341	7.371	7.458	8.035	8.208
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.021	0.045	0.004	0.	0.014	0.006	0.009	0.035	0.043
00480	SALINITY - PARTS PER THOUSAND	15	35.2	35.393	36.5	33.4	0.729	0.854	34.06	35.	36.2	36.38
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.2	0.256	0.5	0.08	0.014	0.118	0.09	0.2	0.325	0.45
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	3.	3.063	4.3	2.2	0.364	0.603	2.34	2.5	3.475	4.09

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.	27.979	29.5	26.4	0.557	0.747	27.	27.6	28.5	28.9
00032	CLOUD COVER (PERCENT)	19	35.	45.737	100.	15.	703.094	26.516	20.	25.	70.	99.
00035	WIND VELOCITY (MILES PER HOUR)	19	10.	9.132	17.5	1.	21.412	4.627	5.	5.	15.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.015	3.283	4.5	2.	0.534	0.731	2.225	2.875	3.97	4.293
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54050.	44110.063	56300.	51.	479115122.196	21888.699	53.1	52100.	55075.	55880.
00300	OXYGEN, DISSOLVED MG/L	19	6.6	6.689	7.4	6.1	0.13	0.36	6.2	6.4	7.	7.3
00406	PH, FIELD, STANDARD UNITS SU	18	7.83	7.814	8.83	7.35	0.193	0.439	7.368	7.4	8.165	8.353
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.83	7.648	8.83	7.35	0.222	0.471	7.368	7.4	8.165	8.353
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.015	0.022	0.045	0.001	0.	0.017	0.005	0.007	0.04	0.043
00480	SALINITY - PARTS PER THOUSAND	16	35.8	35.831	37.4	33.7	1.13	1.063	34.05	35.05	36.775	37.05
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.3	0.304	0.6	0.06	0.026	0.161	0.088	0.2	0.475	0.53
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.	3.295	4.5	2.	0.503	0.709	2.3	3.	4.	4.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0014

NPS Station ID: VIIS0014
 Location: SALTPOND BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.308365/ -64.706088

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_SABA17
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.9	27.685	30.3	25.3	1.583	1.258	25.97	26.575	28.725	29.1
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	35.	40.969	100.	5.	753.53	27.451	10.	20.	60.	86.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	65	7.5	7.308	15.	0.	10.959	3.31	3.	5.	10.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	47	71.	70.177	89.5	47.1	85.801	9.263	57.22	64.3	77.7	81.46
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	3.03	3.423	5.5	1.	1.119	1.058	2.05	2.5	4.	5.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53800.	45846.35	55900.	51.	377356393.723	19425.663	54.	52325.	54700.	55090.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.6	6.585	7.4	5.5	0.143	0.379	6.2	6.3	6.8	7.03
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	60	7.815	7.783	8.73	7.29	0.122	0.349	7.37	7.42	8.025	8.236
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	60	7.815	7.661	8.73	7.29	0.137	0.37	7.37	7.42	8.025	8.236
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	60	0.015	0.022	0.051	0.002	0.	0.015	0.006	0.009	0.038	0.043
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.6	35.552	37.2	33.5	0.799	0.894	34.16	35.05	36.2	36.66
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.012	0.011	0.022	0.002	0.	0.006	0.003	0.007	0.016	0.021
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.001	0.	0.	0.	0.	0.001	0.001	0.001
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.002	0.008	0.	0.	0.002	0.	0.001	0.004	0.007
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.003	0.009	0.001	0.	0.002	0.001	0.002	0.004	0.008
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.007	0.003	0.	0.001	0.003	0.004	0.006	0.007
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	60	0.4	0.48	6.5	0.08	0.655	0.809	0.2	0.3	0.4	0.69
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	3.	3.428	5.5	2.	0.999	0.999	2.3	2.5	4.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0014

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	60	0	0.00	27	0	0.00	16	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	60	0	0.00	27	0	0.00	16	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	60	0	0.00	30	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.3	27.222	28.9	25.7	1.247	1.117	25.7	26.	28.1	28.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	49.222	99.	5.	1421.444	37.702	5.	15.	87.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.667	10.	5.	6.25	2.5	5.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	2.5	2.25	3.	1.	0.357	0.598	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	53900.	53875.	54200.	53500.	89166.667	298.608	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.389	6.8	5.7	0.121	0.348	5.7	6.15	6.7	6.8
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.85	7.883	8.34	7.38	0.071	0.267	7.38	7.785	8.045	8.34
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.85	7.809	8.34	7.38	0.077	0.278	7.38	7.785	8.045	8.34
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.014	0.016	0.042	0.005	0.	0.011	0.005	0.009	0.016	0.042
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.6	35.24	35.9	33.5	0.983	0.991	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.3	1.126	6.5	0.08	5.626	2.372	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.5	2.5	3.	2.	0.125	0.354	2.	2.25	2.75	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	27.6	27.043	29.4	25.3	2.256	1.502	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	40.	43.571	80.	20.	472.619	21.74	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	10.	8.571	10.	5.	5.952	2.44	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	63.	63.46	73.7	56.5	44.653	6.682	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	2.5	2.571	3.	2.	0.202	0.45	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52200.	52457.143	53800.	51200.	739523.81	859.956	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.7	6.671	7.	6.3	0.066	0.256	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	7	7.45	7.519	7.91	7.29	0.054	0.232	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	7	7.45	7.473	7.91	7.29	0.056	0.237	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	7	0.035	0.034	0.051	0.012	0.	0.014	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.4	34.557	35.6	33.6	0.43	0.655	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.4	0.4	0.6	0.2	0.016	0.126	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	2.5	2.571	3.	2.	0.202	0.45	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.4	27.964	29.8	25.8	1.741	1.319	25.82	26.9	29.	29.66
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	50.	51.5	95.	20.	433.611	20.823	21.	37.5	62.5	92.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	6.5	10.	5.	5.833	2.415	5.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	10	70.85	69.87	80.3	58.3	56.867	7.541	58.47	63.225	75.375	80.22
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	2.75	2.864	4.	2.	0.417	0.646	2.05	2.5	3.	4.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54100.	54181.818	55000.	53400.	329636.364	574.14	53420.	53700.	54800.	54980.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.4	6.518	6.8	6.2	0.052	0.227	6.22	6.3	6.8	6.8
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	11	7.39	7.395	7.43	7.35	0.001	0.027	7.354	7.37	7.42	7.43
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	11	7.39	7.394	7.43	7.35	0.001	0.027	7.354	7.37	7.42	7.43
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	11	0.041	0.04	0.045	0.037	0.	0.003	0.037	0.038	0.043	0.044
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.8	35.836	36.5	35.3	0.157	0.396	35.32	35.5	36.2	36.46
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.4	0.43	0.8	0.2	0.027	0.164	0.21	0.375	0.45	0.78
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	2.8	2.873	4.	2.	0.41	0.64	2.06	2.5	3.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.8	27.7	29.4	25.9	1.644	1.282	25.94	26.525	29.	29.36
00032	CLOUD COVER (PERCENT)	10	40.	43.	75.	10.	528.889	22.998	11.	27.5	71.25	75.
00035	WIND VELOCITY (MILES PER HOUR)	10	7.5	7.6	11.	2.5	7.6	2.757	2.75	5.	10.	10.9
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	65.1	65.79	84.	47.1	97.43	9.871	48.13	60.475	70.8	83.1
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	3.5	3.9	5.5	3.	1.087	1.042	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	53955.556	55900.	51200.	2505277.778	1582.807	51200.	52600.	55200.	55900.
00300	OXYGEN, DISSOLVED MG/L	10	6.7	6.69	7.3	6.	0.201	0.448	6.03	6.3	7.15	7.3
00406	PH, FIELD, STANDARD UNITS SU	10	7.525	7.579	7.93	7.37	0.043	0.208	7.371	7.395	7.795	7.924
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.524	7.539	7.93	7.37	0.045	0.212	7.371	7.395	7.795	7.924
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.03	0.029	0.043	0.012	0.	0.012	0.012	0.016	0.04	0.043
00480	SALINITY - PARTS PER THOUSAND	9	36.2	35.678	37.2	33.6	1.392	1.18	33.6	34.7	36.6	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.5	0.456	0.7	0.2	0.033	0.181	0.2	0.25	0.6	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.25	3.63	5.5	2.5	0.969	0.984	2.55	3.	4.475	5.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.2	27.945	30.3	26.	1.735	1.317	26.	26.7	28.7	30.06
00032	CLOUD COVER (PERCENT)	11	35.	37.273	65.	15.	266.818	16.335	15.	25.	50.	64.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	6.182	12.5	1.	17.314	4.161	1.1	2.5	10.	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	77.1	74.62	81.4	56.2	52.76	7.264	57.68	71.375	78.5	81.29
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	4.35	4.318	5.5	3.03	0.815	0.903	3.042	3.413	5.075	5.48
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54200.	54081.818	55100.	52300.	725636.364	851.843	52480.	53500.	54900.	55080.
00300	OXYGEN, DISSOLVED MG/L	11	6.6	6.627	7.4	5.5	0.28	0.529	5.66	6.3	7.	7.38
00406	PH, FIELD, STANDARD UNITS SU	5	7.93	7.9	8.03	7.73	0.017	0.131	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	5	7.93	7.884	8.03	7.73	0.018	0.132	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	5	0.012	0.013	0.019	0.009	0.	0.004	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	35.8	35.736	36.5	34.5	0.393	0.627	34.6	35.3	36.4	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.3	0.33	0.7	0.1	0.025	0.157	0.11	0.275	0.4	0.67
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.35	4.32	5.5	3.	0.811	0.9	3.02	3.425	5.075	5.48

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.5	27.833	29.5	26.	1.73	1.315	26.	26.65	29.05	29.5
00032	CLOUD COVER (PERCENT)	9	15.	26.111	100.	5.	873.611	29.557	5.	7.5	32.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	8.	7.778	15.	3.	14.444	3.801	3.	4.	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	82.6	81.433	89.5	72.2	75.843	8.709	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.96	4.03	4.88	3.35	0.228	0.477	3.35	3.66	4.42	4.88
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	54566.667	55600.	53300.	687500.	829.156	53300.	53700.	55250.	55600.
00300	OXYGEN, DISSOLVED MG/L	9	6.6	6.5	7.	5.8	0.125	0.354	5.8	6.25	6.7	7.
00406	PH, FIELD, STANDARD UNITS SU	9	8.01	8.068	8.28	7.94	0.015	0.122	7.94	7.96	8.175	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	8.01	8.053	8.28	7.94	0.015	0.123	7.94	7.96	8.175	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.01	0.009	0.011	0.005	0.	0.002	0.005	0.007	0.011	0.011
00480	SALINITY - PARTS PER THOUSAND	9	36.2	36.1	36.8	35.2	0.397	0.63	35.2	35.4	36.7	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.289	0.4	0.1	0.014	0.117	0.1	0.2	0.4	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.	4.067	4.9	3.4	0.22	0.469	3.4	3.7	4.45	4.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.1	27.822	29.1	26.2	1.152	1.073	26.2	26.65	28.7	29.1
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	36.111	100.	5.	1442.361	37.978	5.	7.5	70.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	8.444	15.	0.	19.528	4.419	0.	5.5	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	9	70.6	70.433	81.7	51.9	94.49	9.721	51.9	63.9	80.05	81.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.66	3.837	5.45	2.27	1.202	1.096	2.27	2.925	4.86	5.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.444	56.	51.	2.778	1.667	51.	52.	54.5	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.6	6.711	7.3	6.2	0.131	0.362	6.2	6.4	7.	7.3
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.18	8.239	8.73	7.99	0.047	0.216	7.99	8.115	8.32	8.73
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.18	8.2	8.73	7.99	0.048	0.22	7.99	8.115	8.32	8.73
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.006	0.01	0.002	0.	0.002	0.002	0.005	0.008	0.01
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.5	35.256	36.8	33.6	1.165	1.079	33.6	34.25	36.1	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.467	1.	0.3	0.055	0.235	0.3	0.3	0.55	1.
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.7	3.844	5.5	2.3	1.245	1.116	2.3	2.9	4.9	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.7	28.555	30.3	26.6	0.725	0.852	27.3	27.9	29.1	29.48
00032	CLOUD COVER (PERCENT)	30	40.	43.3	100.	5.	889.803	29.83	5.	18.75	62.5	98.6
00035	WIND VELOCITY (MILES PER HOUR)	30	5.	6.617	12.5	0.	11.167	3.342	2.55	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.5	3.554	5.5	1.	1.514	1.23	2.	2.5	4.59	5.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53850.	46680.4	55600.	51.	347056514.386	18629.453	54.	52350.	54600.	54990.
00300	OXYGEN, DISSOLVED MG/L	31	6.4	6.419	7.	5.5	0.126	0.355	5.84	6.3	6.6	6.88
00406	PH, FIELD, STANDARD UNITS SU	27	7.85	7.776	8.24	7.29	0.102	0.319	7.358	7.39	8.03	8.192
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.85	7.665	8.24	7.29	0.115	0.339	7.358	7.39	8.03	8.192
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.014	0.022	0.051	0.006	0.	0.015	0.006	0.009	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	30	35.65	35.5	36.8	33.6	0.721	0.849	33.68	35.225	36.025	36.39
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.4	0.603	6.5	0.1	1.278	1.13	0.2	0.3	0.525	0.79
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.45	3.597	5.5	2.	1.294	1.138	2.3	2.5	4.45	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.	25.994	26.7	25.3	0.126	0.355	25.37	25.825	26.175	26.56
00032	CLOUD COVER (PERCENT)	16	32.5	39.313	99.	5.	804.896	28.371	12.	16.25	68.75	85.7
00035	WIND VELOCITY (MILES PER HOUR)	16	10.	8.5	15.	2.5	10.167	3.189	4.25	5.	10.	12.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	3.015	3.314	4.7	2.	0.681	0.825	2.25	2.5	4.068	4.485
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53400.	46172.	55100.	53.	382505050.615	19557.736	54.	52600.	54725.	55000.
00300	OXYGEN, DISSOLVED MG/L	16	6.85	6.837	7.3	6.3	0.108	0.328	6.3	6.55	7.075	7.3
00406	PH, FIELD, STANDARD UNITS SU	16	7.83	7.763	8.4	7.38	0.09	0.301	7.394	7.435	7.985	8.127
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.826	7.673	8.4	7.38	0.099	0.315	7.394	7.435	7.985	8.127
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.021	0.042	0.004	0.	0.013	0.008	0.01	0.037	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.3	35.46	36.5	33.5	0.727	0.853	34.1	35.	36.2	36.44
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.4	0.371	0.7	0.1	0.025	0.159	0.15	0.275	0.425	0.65
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	3.	3.25	4.7	2.	0.651	0.807	2.35	2.5	4.	4.42

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.6	27.689	28.9	26.	0.558	0.747	26.6	27.2	28.3	28.6
00032	CLOUD COVER (PERCENT)	19	30.	38.684	100.	10.	557.895	23.62	10.	20.	50.	75.
00035	WIND VELOCITY (MILES PER HOUR)	19	7.5	7.395	15.	1.5	10.433	3.23	3.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.	3.296	5.	2.	0.881	0.938	2.	2.5	3.97	5.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53900.	43997.563	55900.	51.	476652037.196	21832.362	53.1	51975.	55000.	55760.
00300	OXYGEN, DISSOLVED MG/L	19	6.6	6.642	7.4	6.2	0.11	0.332	6.2	6.4	6.8	7.3
00406	PH, FIELD, STANDARD UNITS SU	17	7.8	7.814	8.73	7.37	0.196	0.443	7.37	7.405	8.185	8.418
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.8	7.644	8.73	7.37	0.227	0.477	7.37	7.405	8.185	8.418
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.016	0.023	0.043	0.002	0.	0.017	0.004	0.007	0.039	0.043
00480	SALINITY - PARTS PER THOUSAND	16	35.75	35.738	37.2	33.8	1.075	1.037	34.01	34.925	36.65	36.99
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.4	0.343	0.7	0.08	0.023	0.153	0.094	0.225	0.4	0.56
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.	3.311	5.	2.	0.834	0.913	2.	2.5	4.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0015

NPS Station ID: VIIS0015
 Location: SALT POND BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC:
 Major Basin: ST JOHN - 100 FT OFF
 Minor Basin: CENTER OF BEACH DEPTH 2.5/3 METERS
 RF1 Index:
 RF3 Index:
 Description:

LAT/LON: 18.310837/ -64.706116

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 52 /STJ52
 Within Park Boundary: Yes

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	36	28.	27.411	29.3	24.1	2.133	1.46	25.18	26.125	28.675	29.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	28	0.45	0.489	1.3	0.2	0.055	0.235	0.2	0.3	0.6	0.7
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	36	3.	1.833	3.	0.	2.029	1.424	0.	0.	3.	3.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/03/77-10/02/79	14	6.3	6.529	8.8	6.	0.478	0.691	6.	6.2	6.625	7.75
00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	22	6.25	6.305	7.3	5.5	0.177	0.42	5.62	6.075	6.6	6.8
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	27	8.2	8.165	8.4	7.9	0.011	0.105	8.	8.1	8.25	8.26
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	27	8.2	8.152	8.4	7.9	0.011	0.105	8.	8.1	8.25	8.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	27	0.006	0.007	0.013	0.004	0.	0.002	0.006	0.006	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	33	35.6	35.8	39.	32.3	1.358	1.165	34.66	35.15	36.3	37.34
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-02/13/86	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/23/86-02/13/86	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-02/13/86	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-02/13/86	3	0.01	0.015	0.03	0.005	0.	0.013	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	37	0.	0.378	5.	0.	0.908	0.953	0.	0.	0.5	1.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	37	0.	-0.033	0.699	-0.301	0.039	0.197	0.	0.	-0.301	0.
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.926								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	8	0.4	0.488	1.1	0.2	0.081	0.285	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

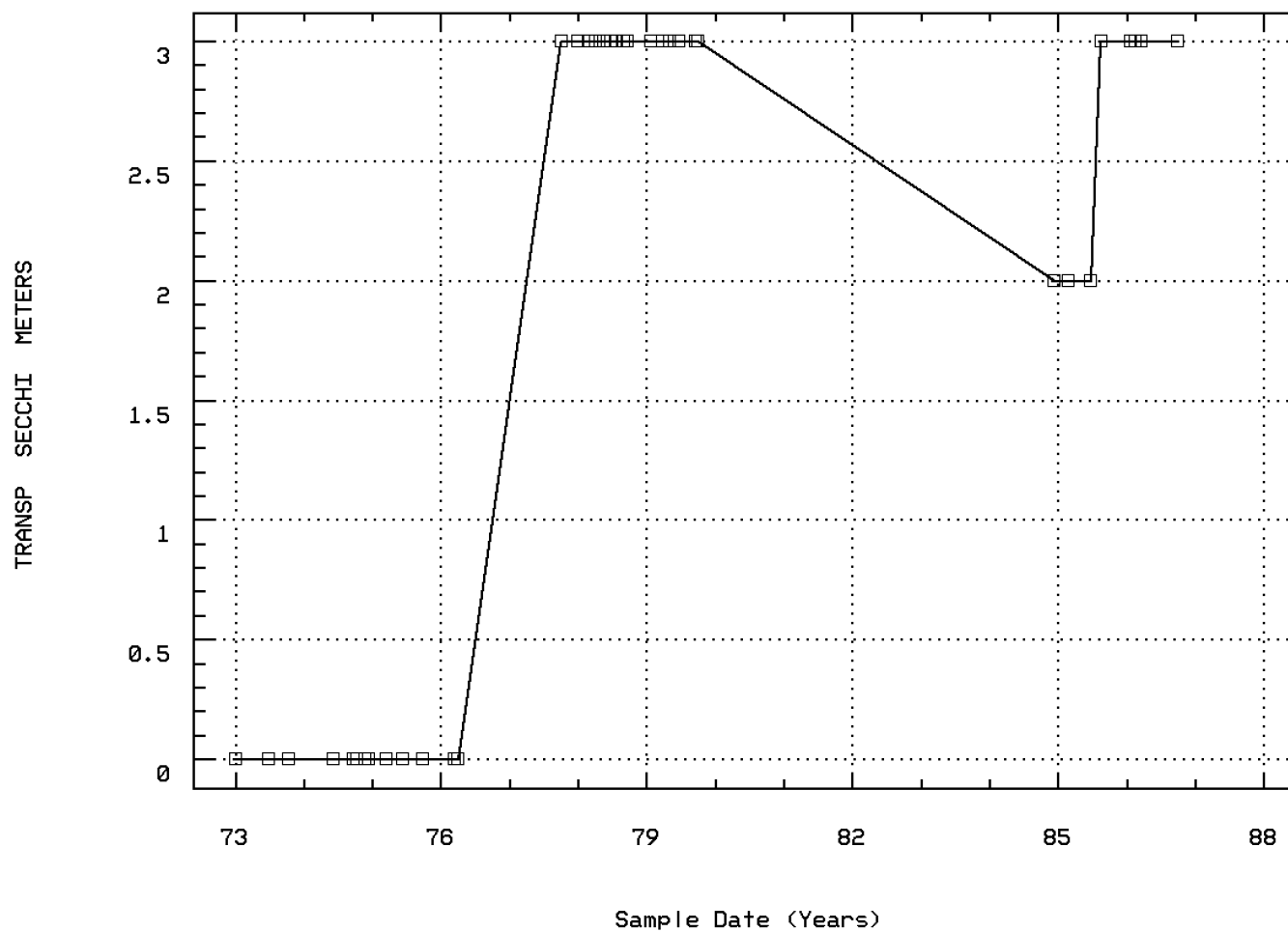
EPA Water Quality Criteria Analysis for Station: VIIS0015

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	28	0	0.00	12	0	0.00	5	0	0.00	11	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00		
00400	PH	Other-Hi Lim.	9.	27	0	0.00	11	0	0.00	5	0	0.00	11	0	0.00		
		Other-Lo Lim.	6.5	27	0	0.00	11	0	0.00	5	0	0.00	11	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	37	0	0.00	16	0	0.00	8	0	0.00	13	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0015 Parameter Code: 00078

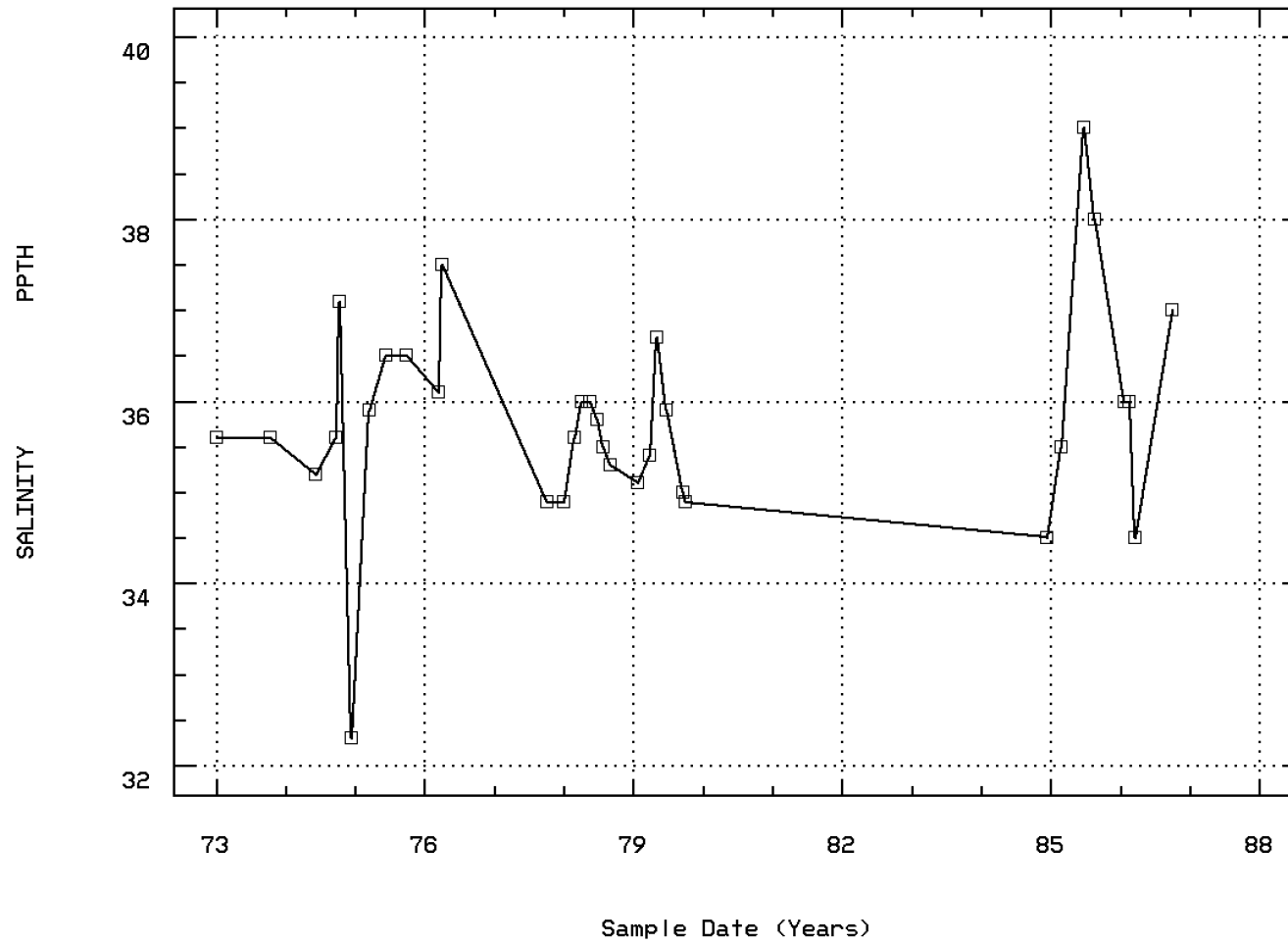
TRANSPARENCY, SECCHI DISC (METERS)



SALT POND BAY

Station: VIIS0015 Parameter Code: 00480

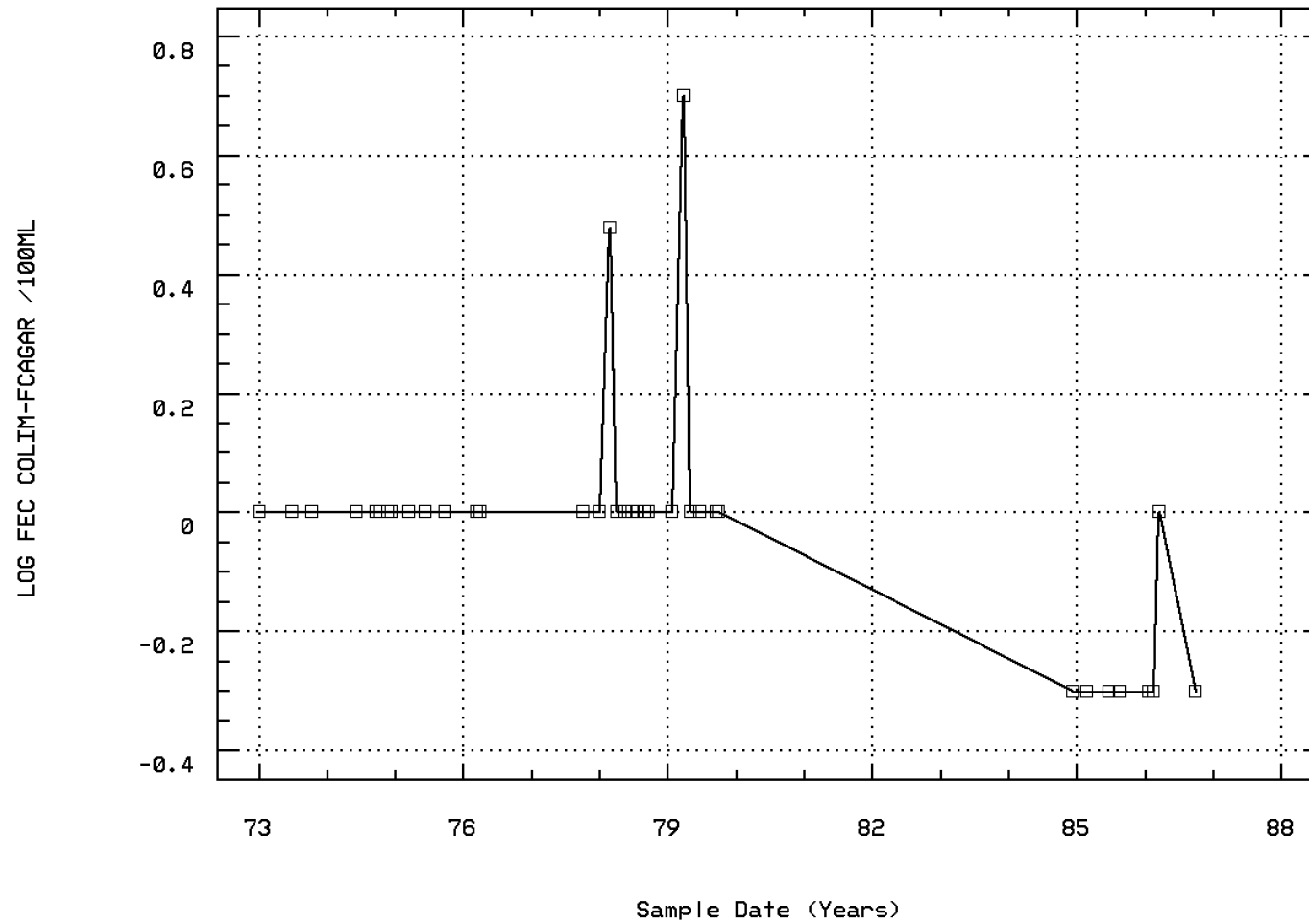
SALINITY - PARTS PER THOUSAND



SALT POND BAY

Station: VIIS0015 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



SALT POND BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	16	28.5	28.306	29.	26.5	0.51	0.714	26.71	28.075	28.775	29.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	12	0.4	0.45	1.3	0.2	0.088	0.297	0.2	0.3	0.55	1.09
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	15	3.	1.733	3.	0.	2.21	1.486	0.	0.	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	10	6.2	6.22	7.3	5.5	0.322	0.567	5.5	5.8	6.65	7.25
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.2	8.164	8.25	8.05	0.004	0.064	8.06	8.1	8.2	8.24
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.2	8.159	8.25	8.05	0.004	0.064	8.06	8.1	8.2	8.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	11	0.006	0.007	0.009	0.006	0.	0.001	0.006	0.006	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	35.5	35.554	38.	32.3	2.024	1.423	33.18	34.9	36.75	37.64
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	16	0.	0.125	0.5	0.	0.05	0.224	0.	0.	0.375	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	16	0.	-0.075	0.	-0.301	0.018	0.135	0.	0.	-0.226	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.841								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	7	26.	25.786	26.5	24.9	0.305	0.552	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	5	0.7	0.54	0.8	0.2	0.073	0.27	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	8	3.	2.125	3.	0.	1.839	1.356	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	5	6.5	6.42	6.7	6.2	0.047	0.217	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	5	8.2	8.12	8.25	7.9	0.026	0.16	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	5	8.2	8.095	8.25	7.9	0.027	0.163	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	5	0.006	0.008	0.013	0.006	0.	0.003	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	8	35.6	35.575	36.	34.9	0.165	0.406	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	8	0.25	0.563	3.	0.	1.031	1.016	**	**	**	**
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	8	-0.151	-0.053	0.477	-0.301	0.068	0.261	**	**	**	**
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.885								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

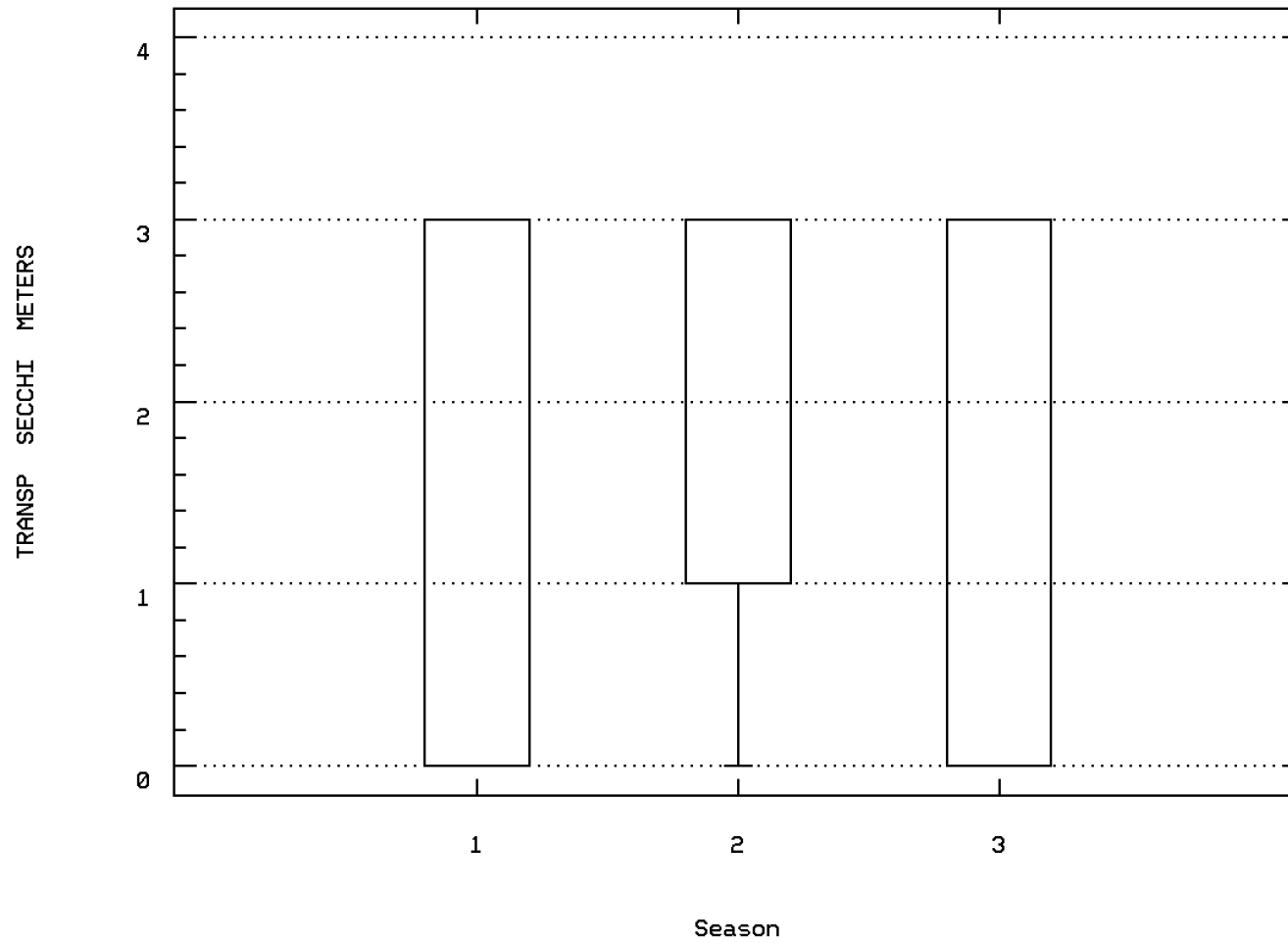
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	13	27.5	27.185	29.3	24.1	2.766	1.663	24.3	26.05	28.55	29.26
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	11	0.5	0.509	0.7	0.3	0.019	0.138	0.3	0.4	0.6	0.7
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	3.	1.769	3.	0.	2.192	1.481	0.	0.	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	7	6.3	6.343	6.8	6.	0.08	0.282	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.2	8.186	8.4	8.	0.013	0.112	8.02	8.1	8.25	8.38
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.2	8.174	8.4	8.	0.013	0.113	8.02	8.1	8.25	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	11	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.006	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	12	36.	36.217	39.	34.5	1.34	1.157	34.71	35.5	36.65	38.55
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	13	0.	0.577	5.	0.	1.91	1.382	0.	0.	0.75	3.4
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	13	0.	0.031	0.699	-0.301	0.047	0.217	0.	0.	-0.151	0.419
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.073								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0015 Parameter Code: 00078

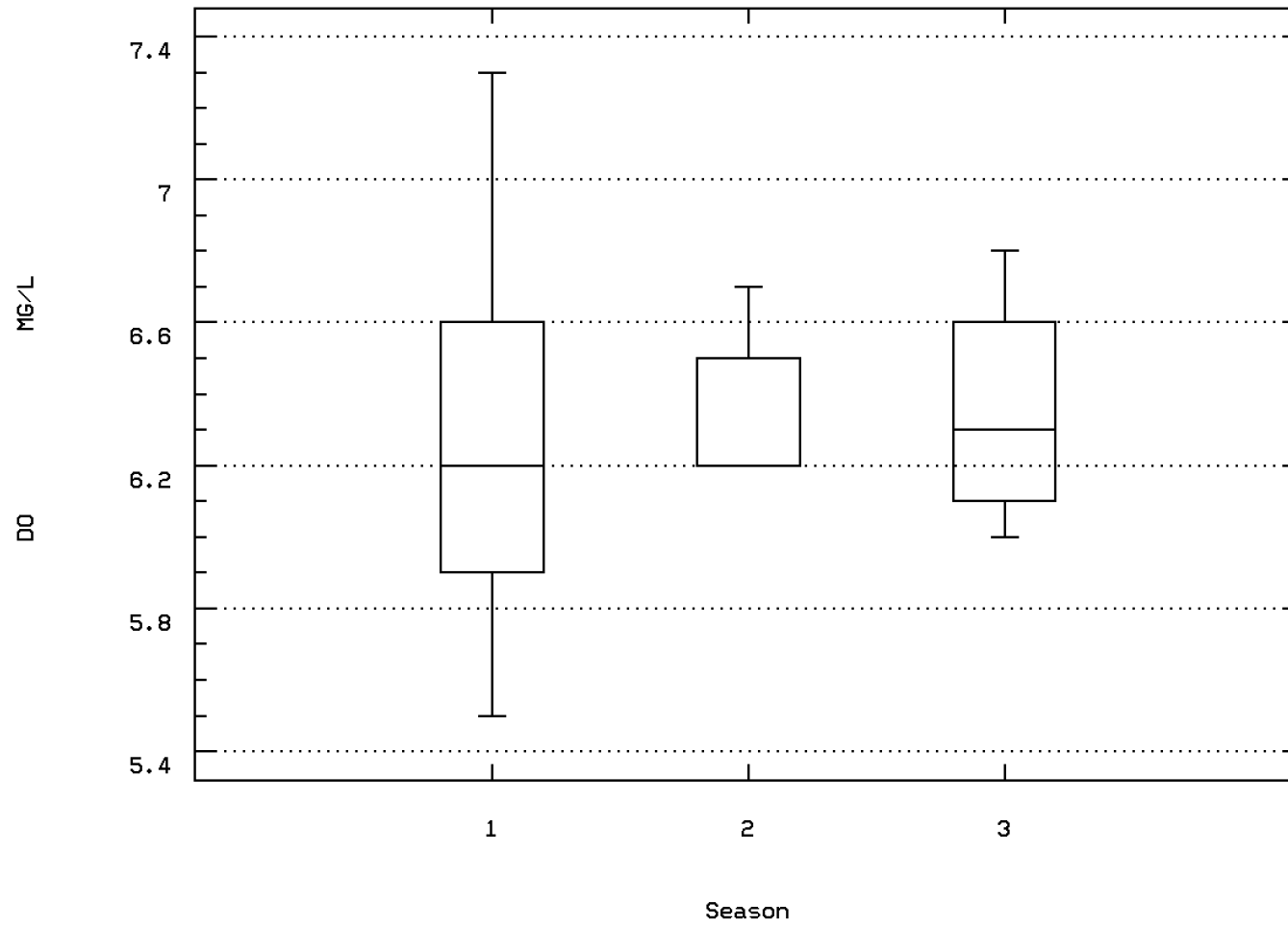
TRANSPARENCY, SECCHI DISC (METERS)



SALT POND BAY

Station: VIIS0015 Parameter Code: 00300

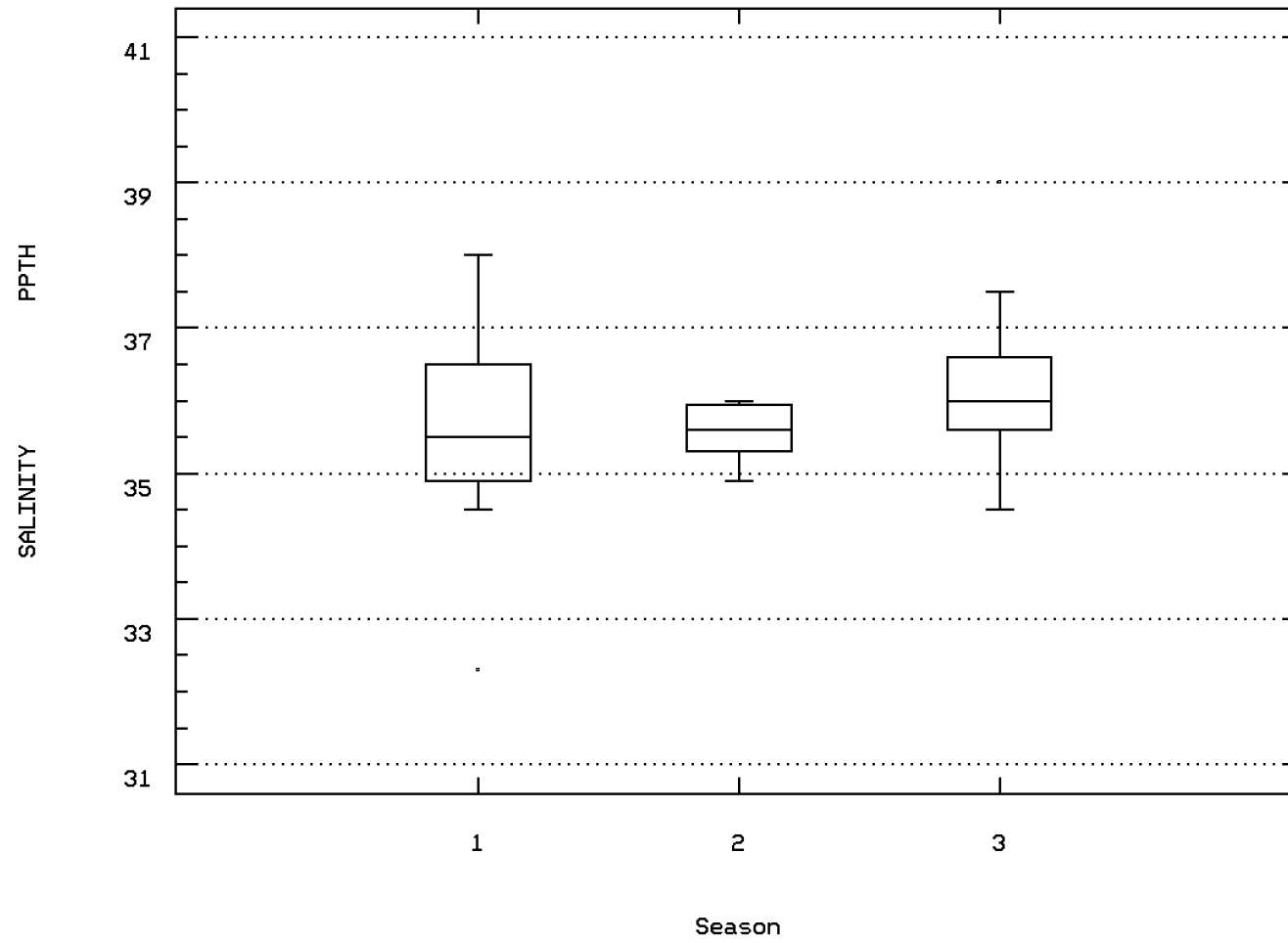
OXYGEN, DISSOLVED



SALT POND BAY

Station: VIIS0015 Parameter Code: 00480

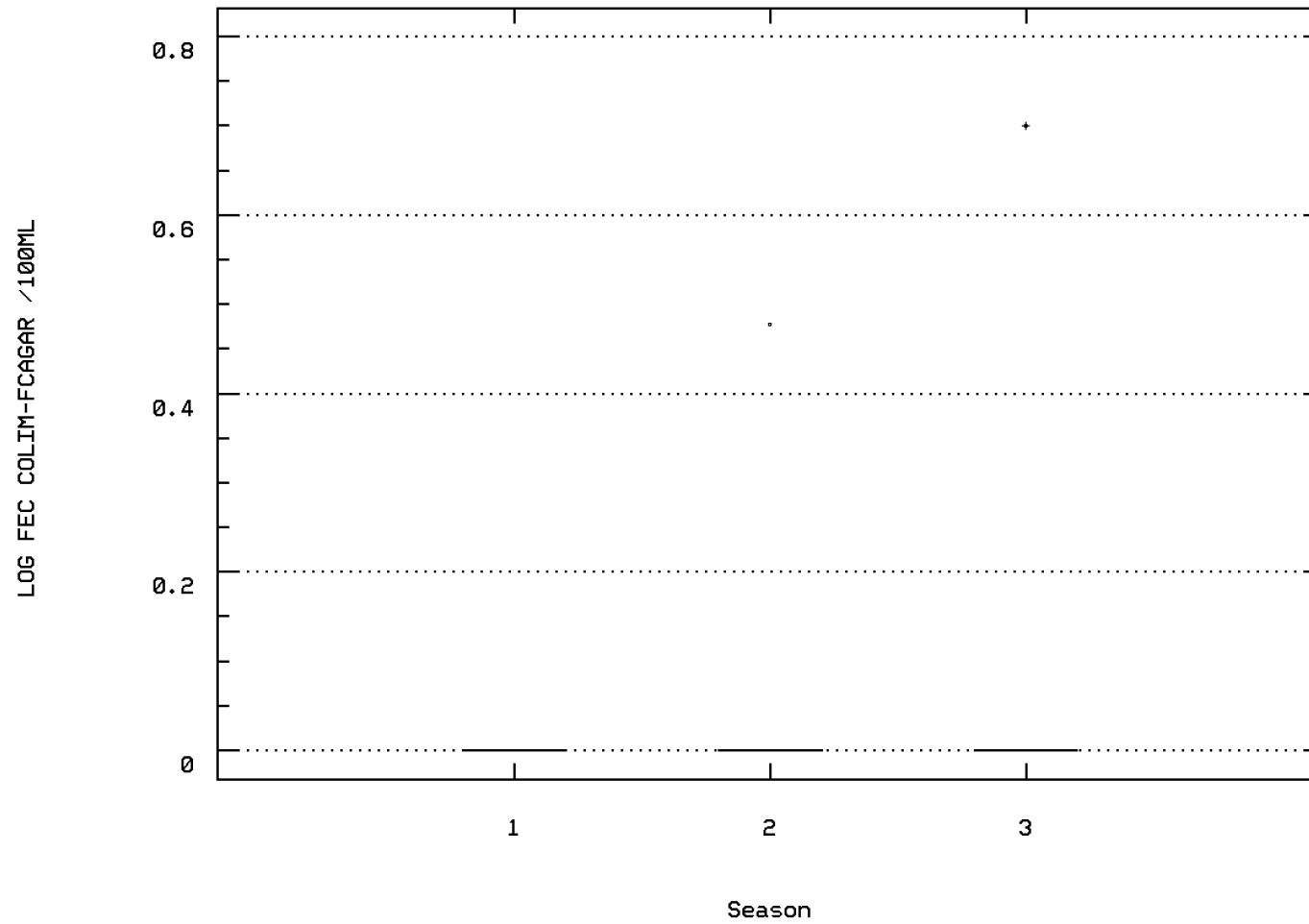
SALINITY - PARTS PER THOUSAND



SALT POND BAY

Station: VIIS0015 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



SALT POND BAY

Station Inventory for Station: VIIS0016

NPS Station ID: VIIS0016

Location: SALT POND BAY 100 F OFF CNTR OF BEACH 2.5/3 M

Station Type: /TYPA/AMBNT/OCEAN

RMI-Indexes:

RMI-Miles:

HUC: 21020001

Major Basin: VIRGIN ISLANDS

Minor Basin: ST.JOHN

RF1 Index: 21020001

RF3 Index:

Description:

LAT/LON: 18.310837/ -64.706116

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 21V1

FIPS State/County: 78003 VIRGIN ISLANDS/

STORET Station ID(s): STJ-52

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

Date Created: 10/08/83

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: VIIS0016

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: VIIS0017

NPS Station ID: VIIS0017
 Location: SALT POND BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.309726/ -64.707505

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-63 /STJ-13 /STJ52(VIHD)
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.9	29.3	28.4	0.21	0.458	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.85	6.775	7.3	6.1	0.249	0.499	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.2	33.2	33.2	33.2	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	30.5	30.5	48.	13.	612.5	24.749	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.065	0.065	0.12	0.01	0.006	0.078	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2 ##	0.011	0.011	0.017	0.005	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.4	2.4	2.6	2.2	0.08	0.283	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.5	500.25	2000.	0.	999666.917	999.833	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.	0.825	3.301	0.	2.724	1.651	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.687								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	100.	100.	200.	0.	20000.	141.421	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	1.151	1.151	2.301	0.	2.647	1.627	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			14.142								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0017

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	1	0.25	4	1	0.25									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	1	0.50	2	1	0.50									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0018

NPS Station ID: VIIS0018

Location: CORAL BAY AT END OF PUBLIC DOCK 1.5/2 METERS

Station Type: /TYPA/AMBNT/OCEAN

RMI-Indexes:

RMI-Miles:

HUC: 21020001

Major Basin: VIRGIN ISLANDS

Minor Basin: ST. JOHN

RF1 Index: 21020001

RF3 Index:

Description:

LAT/LON: 18.348615/ -64.711948

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 21V1

FIPS State/County: 78003 VIRGIN ISLANDS/

STORET Station ID(s): STJ-53

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

Date Created: 10/08/83

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: VIIS0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: VIIS0019

NPS Station ID: VIIS0019
 Location: CORAL BAY AT END OF PUBLIC DOCK
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC:
 Major Basin: ST JOHN
 Minor Basin: DEPTH 1.5/2 METERS
 RF1 Index:
 RF3 Index:
 Description:

LAT/LON: 18.348615/ -64.711948

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 53 /STJ53
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	35	28.2	28.037	31.2	25.	2.517	1.586	26.	26.3	29.3	30.12
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/20/79	28	1.45	1.571	4.4	0.	0.89	0.943	0.3	1.	2.075	2.75
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	35	2.	1.577	3.	0.	1.156	1.075	0.	0.	2.	3.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-09/20/79	15	6.2	6.28	7.	5.8	0.122	0.349	5.8	6.1	6.5	6.88
00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	20	6.3	6.21	6.7	5.5	0.094	0.306	5.81	6.	6.475	6.6
00400	PH (STANDARD UNITS)	01/03/73-09/20/79	26	8.2	8.167	8.3	7.7	0.013	0.114	8.085	8.1	8.2	8.265
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/20/79	26	8.2	8.149	8.3	7.7	0.013	0.116	8.085	8.1	8.2	8.265
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/20/79	26	0.006	0.007	0.02	0.005	0.	0.003	0.005	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	33	35.6	35.518	38.	30.4	1.562	1.25	34.38	35.	36.	36.96
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-03/18/86	5	4.	4.2	6.	3.	1.7	1.304	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	6 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-03/18/86	7 ##	0.05	0.064	0.1	0.05	0.001	0.024	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-03/18/86	7	0.01	0.05	0.3	0.005	0.012	0.11	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	39	1.	8.872	68.	0.	264.036	16.249	0.	0.	12.	26.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	39	0.	0.46	1.833	-0.301	0.424	0.651	0.	0.	1.079	1.415
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.886								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	11	1.4	1.518	2.2	0.2	0.362	0.601	0.36	1.2	2.1	2.18

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

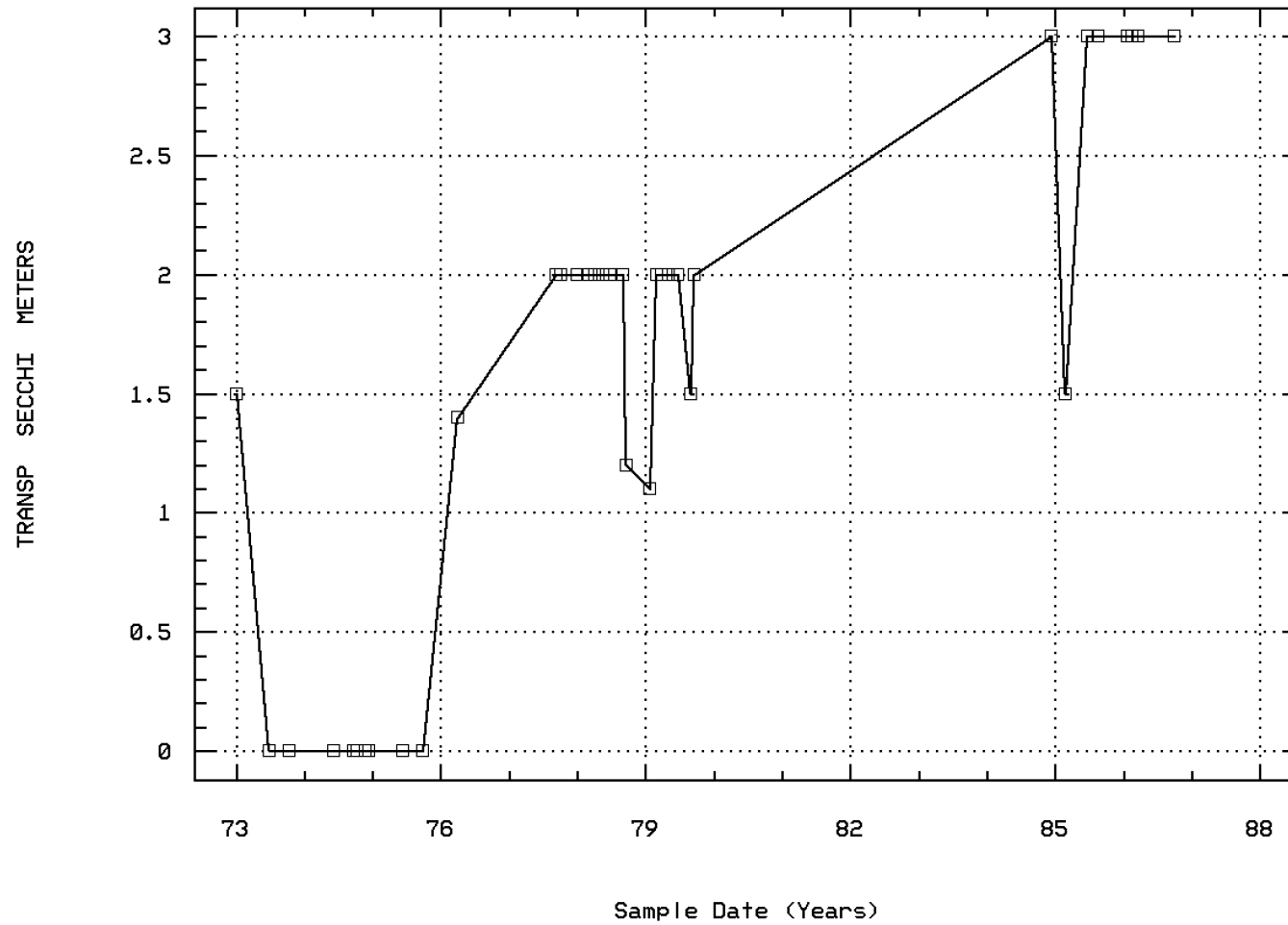
EPA Water Quality Criteria Analysis for Station: VIIS0019

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	28	0	0.00	13	0	0.00	5	0	0.00	10	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0	0.00	10	0	0.00	4	0	0.00	6	0	0.00		
00400	PH	Other-Hi Lim.	9.	26	0	0.00	11	0	0.00	5	0	0.00	10	0	0.00		
		Other-Lo Lim.	6.5	26	0	0.00	11	0	0.00	5	0	0.00	10	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	39	0	0.00	16	0	0.00	10	0	0.00	13	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	5	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0019 Parameter Code: 00078

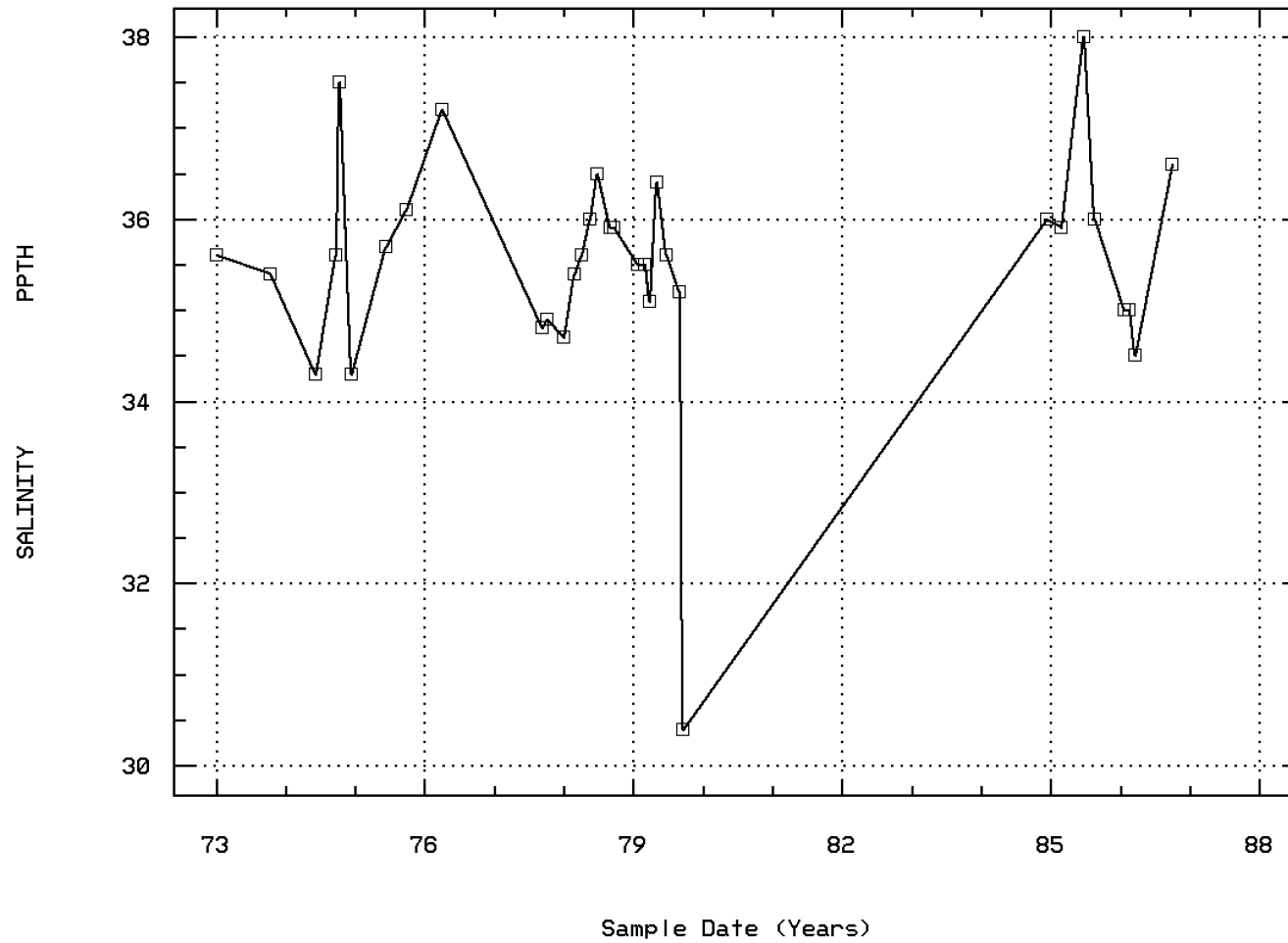
TRANSPARENCY, SECCHI DISC (METERS)



CORAL BAY AT END OF PUBLIC DOCK

Station: VIIS0019 Parameter Code: 00480

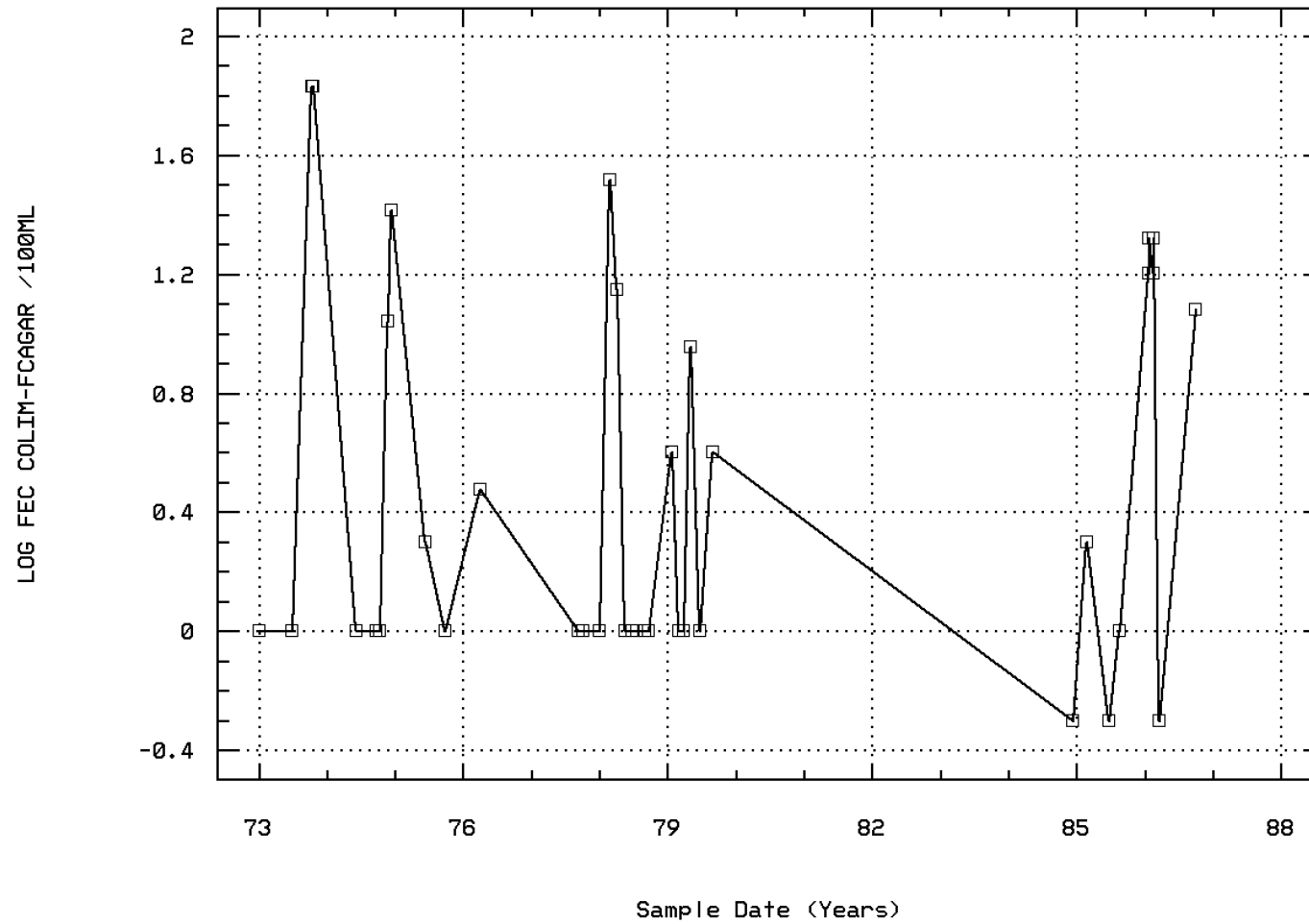
SALINITY - PARTS PER THOUSAND



CORAL BAY AT END OF PUBLIC DOCK

Station: VIIS0019 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CORAL BAY AT END OF PUBLIC DOCK

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	16	28.8	28.506	30.	26.3	1.243	1.115	26.79	27.45	29.3	29.86
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/20/79	13	1.2	1.223	2.1	0.	0.41	0.641	0.12	0.9	1.85	2.06
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	15	1.5	1.313	3.	0.	1.487	1.219	0.	0.	2.	3.
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	10	6.15	6.14	6.6	5.8	0.065	0.255	5.81	5.9	6.3	6.57
00400	PH (STANDARD UNITS)	01/03/73-09/20/79	11	8.2	8.177	8.25	8.1	0.003	0.052	8.1	8.1	8.2	8.24
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/20/79	11	8.2	8.174	8.25	8.1	0.003	0.052	8.1	8.1	8.2	8.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/20/79	11	0.006	0.007	0.008	0.006	0.	0.001	0.006	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	14	35.75	35.329	37.5	30.4	2.645	1.626	32.35	34.875	36.025	37.05
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	16	0.75	12.531	68.	0.	519.582	22.794	0.	0.	11.75	68.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	16	-0.151	0.531	1.833	-0.301	0.527	0.726	0.	0.	1.07	1.833
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3.399								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	7	26.1	26.114	26.3	25.8	0.038	0.195	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/20/79	5	1.5	1.44	2.7	0.3	1.178	1.085	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	8	2.	2.013	3.	1.1	0.473	0.688	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	4	6.25	6.275	6.5	6.1	0.043	0.206	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-09/20/79	5	8.25	8.13	8.3	7.7	0.061	0.246	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/20/79	5	8.25	8.063	8.3	7.7	0.066	0.258	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/20/79	5	0.006	0.009	0.02	0.005	0.	0.006	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	8	35.45	35.325	35.9	34.7	0.154	0.392	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	10	10.	11.4	33.	0.	133.822	11.568	0.	0.75	21.	31.8
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	10	0.903	0.747	1.519	0.	0.397	0.63	0.	0.	1.322	1.499
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.59								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

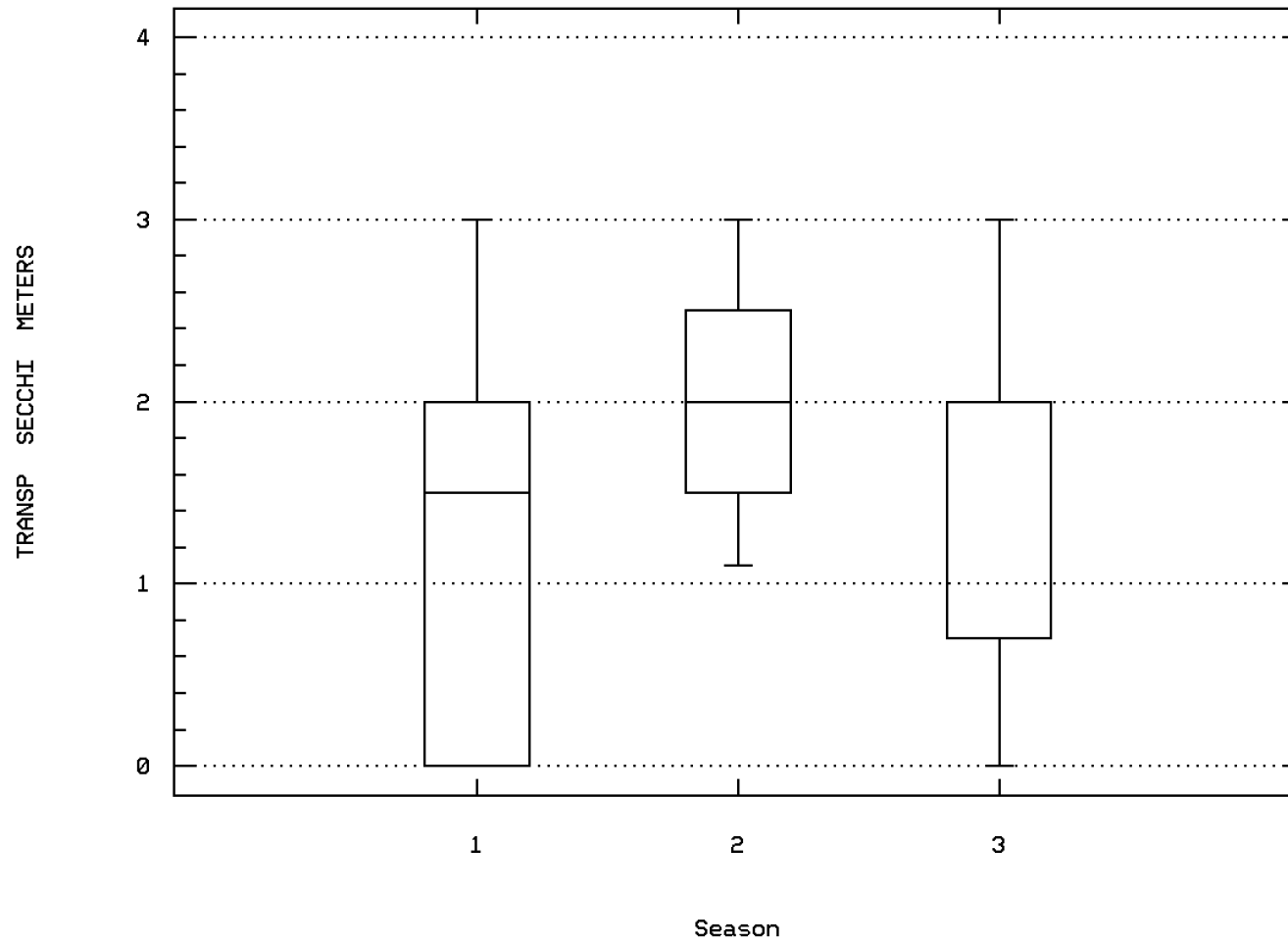
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	12	28.9	28.533	31.2	25.	3.121	1.767	25.6	27.025	30.075	30.96
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/20/79	10	1.95	2.09	4.4	0.9	1.114	1.056	0.93	1.275	2.6	4.28
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	12	2.	1.617	3.	0.	1.145	1.07	0.	0.35	2.	3.
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	6	6.4	6.283	6.7	5.5	0.194	0.44	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-09/20/79	10	8.2	8.175	8.3	8.05	0.005	0.072	8.055	8.1	8.2	8.29
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/20/79	10	8.2	8.17	8.3	8.05	0.005	0.072	8.055	8.1	8.2	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/20/79	10	0.006	0.007	0.009	0.005	0.	0.001	0.005	0.006	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	11	35.7	35.9	38.	34.3	1.21	1.1	34.34	35.1	36.5	37.84
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	13	0.5	2.423	14.	0.	18.035	4.247	0.	0.	2.5	12.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	13	-0.301	0.152	1.146	-0.301	0.21	0.458	0.	0.	0.389	1.069
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.419								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0019 Parameter Code: 00078

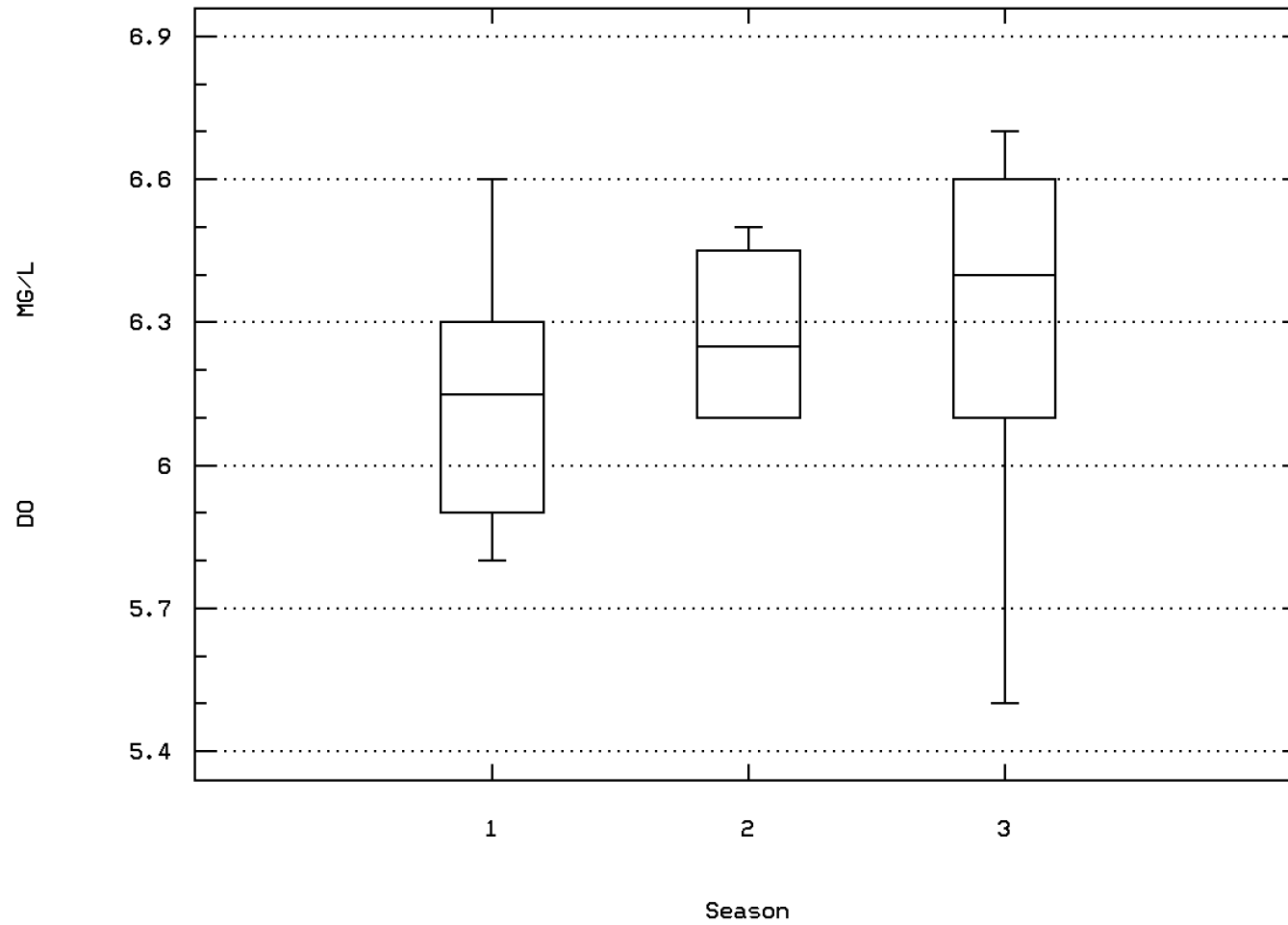
TRANSPARENCY, SECCHI DISC (METERS)



CORAL BAY AT END OF PUBLIC DOCK

Station: VIIS0019 Parameter Code: 00300

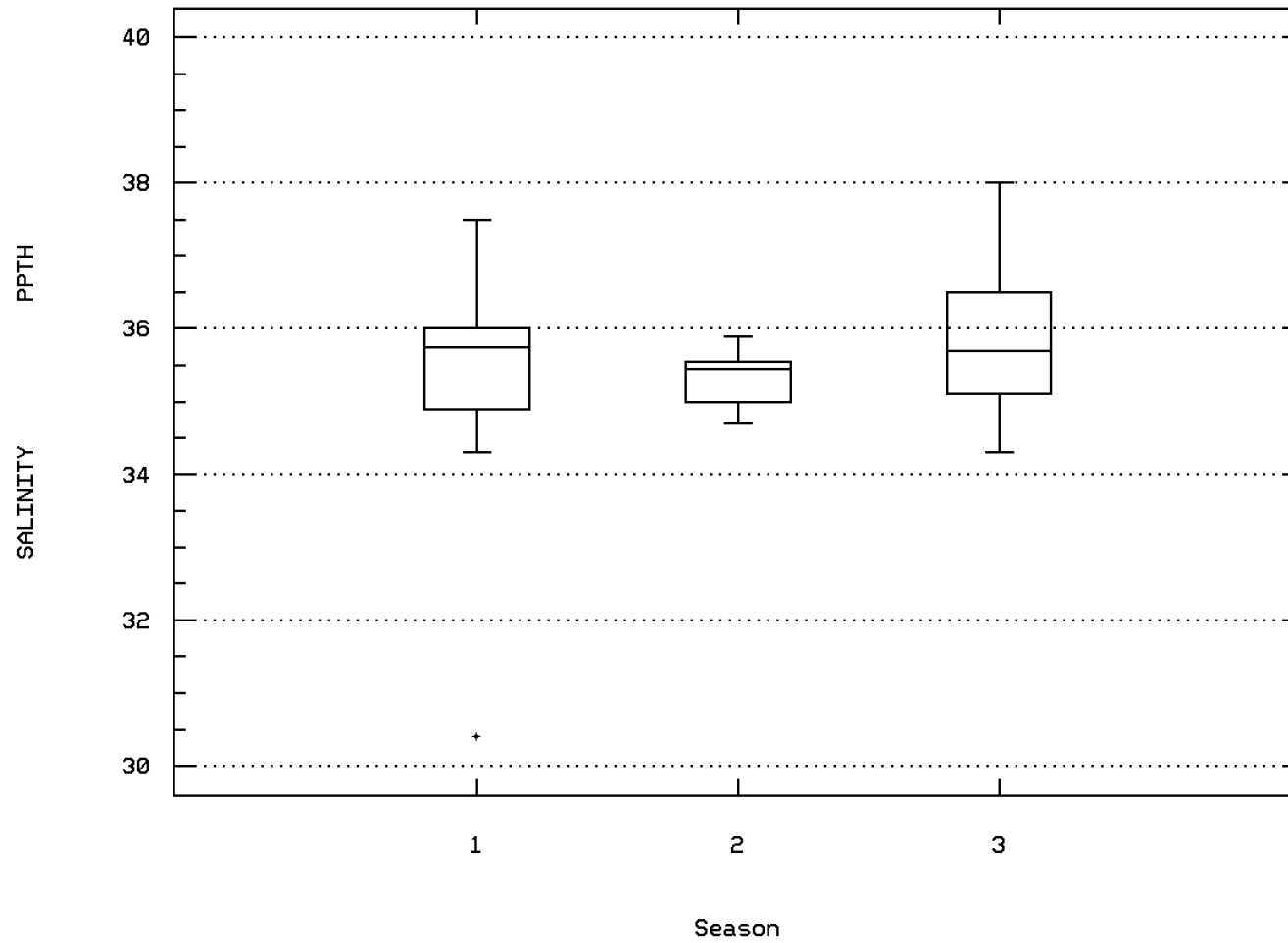
OXYGEN, DISSOLVED



CORAL BAY AT END OF PUBLIC DOCK

Station: VIIS0019 Parameter Code: 00480

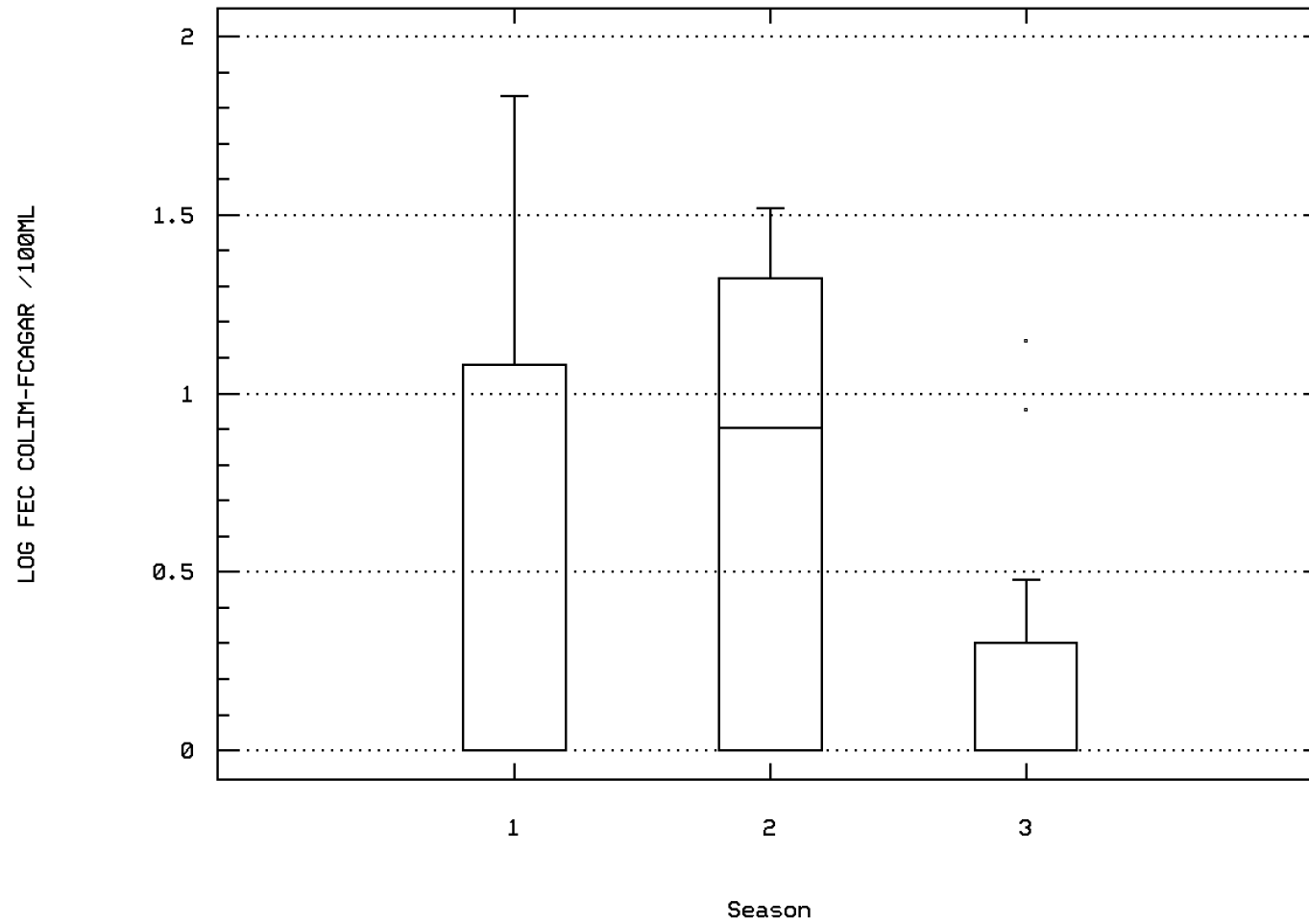
SALINITY - PARTS PER THOUSAND



CORAL BAY AT END OF PUBLIC DOCK

Station: VIIS0019 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CORAL BAY AT END OF PUBLIC DOCK

Station Inventory for Station: VIIS0020

NPS Station ID: VIIS0020
 Location: CORAL BAY DOCK
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.347698/ -64.712921

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_COBD15
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.7	28.465	30.8	25.4	2.389	1.546	26.27	27.075	29.75	30.36
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	63	40.	47.444	100.	5.	852.348	29.195	10.	30.	75.	95.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	63	5.	5.063	10.	0.	6.262	2.502	1.6	5.	5.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	47	2.5	3.336	12.	0.4	6.626	2.574	0.82	1.3	4.3	7.74
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	62	1.5	1.37	2.5	0.5	0.197	0.444	0.7	1.	1.618	2.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53650.	45788.	56500.	50.	377352694.712	19425.568	54.	52300.	54700.	55290.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.25	6.295	7.8	5.1	0.304	0.552	5.6	5.9	6.7	7.13
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	61	7.79	7.752	8.96	7.22	0.126	0.355	7.35	7.395	8.05	8.148
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	61	7.79	7.63	8.96	7.22	0.141	0.376	7.35	7.395	8.05	8.148
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	61	0.016	0.023	0.06	0.001	0.	0.016	0.007	0.009	0.04	0.045
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.7	35.477	37.6	30.6	1.459	1.208	34.02	34.9	36.2	36.68
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.013	0.015	0.027	0.006	0.	0.007	0.007	0.011	0.024	0.027
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.001	0.	0.001	0.001	0.001	0.002	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.004	0.01	0.	0.	0.003	0.	0.001	0.006	0.009
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.005	0.01	0.001	0.	0.003	0.001	0.002	0.007	0.01
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.006	0.011	0.003	0.	0.003	0.003	0.004	0.009	0.011
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-09/20/94	59	1.3	1.575	5.4	0.1	1.27	1.127	0.5	0.8	2.1	3.1
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	1.7	1.808	4.5	0.7	0.361	0.601	1.26	1.5	2.	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0020

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	29	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	28.2	28.233	30.3	26.2	2.305	1.518	26.2	26.75	29.7	30.3
00032	CLOUD COVER (PERCENT)	6	77.5	61.333	99.	5.	1836.267	42.852	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	6	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	1.25	1.244	1.5	0.7	0.085	0.291	0.7	1.	1.5	1.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4	53650.	52100.	53900.	47200.	10686666.667	3269.047	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	9	6.4	6.489	7.8	5.4	0.466	0.683	5.4	6.05	6.85	7.8
00406	PH, FIELD, STANDARD UNITS SU	9	7.84	7.87	8.24	7.37	0.067	0.258	7.37	7.765	8.11	8.24
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.84	7.798	8.24	7.37	0.073	0.269	7.37	7.765	8.11	8.24
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.014	0.016	0.043	0.006	0.	0.011	0.006	0.008	0.017	0.043
00480	SALINITY - PARTS PER THOUSAND	5	35.6	34.12	35.8	30.6	5.212	2.283	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	7	0.9	1.1	3.	0.3	0.807	0.898	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	1.3	1.289	1.5	0.7	0.076	0.276	0.7	1.15	1.5	1.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	28.5	27.7	29.6	25.5	2.73	1.652	**	**	**	**
00032	CLOUD COVER (PERCENT)	7	40.	46.714	80.	10.	692.238	26.31	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	7	5.	4.286	5.	0.	3.571	1.89	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	5	2.4	2.48	4.	0.5	2.257	1.502	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	6	1.15	1.217	1.5	1.	0.062	0.248	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	7	52300.	52485.714	53800.	51500.	671428.571	819.407	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	7	6.4	6.386	7.2	5.3	0.448	0.669	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	7	7.41	7.48	7.89	7.22	0.055	0.234	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	7	7.41	7.433	7.89	7.22	0.057	0.239	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.039	0.037	0.06	0.013	0.	0.016	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	7	34.3	34.457	35.6	34.	0.293	0.541	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	6	0.7	0.8	1.2	0.5	0.12	0.346	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	7	1.5	1.857	4.5	1.	1.393	1.18	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	29.1	28.673	30.8	25.4	2.368	1.539	25.74	27.3	29.7	30.66
00032	CLOUD COVER (PERCENT)	11	75.	66.727	99.	20.	759.818	27.565	22.	40.	95.	98.2
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	5.909	10.	0.	9.091	3.015	1.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	2.	2.65	6.6	0.4	3.665	1.914	0.46	1.225	4.4	6.38
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	1.5	1.582	2.5	1.	0.198	0.445	1.	1.3	2.	2.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54400.	54309.091	55800.	53300.	628909.091	793.038	53320.	53600.	54800.	55680.
00300	OXYGEN, DISSOLVED MG/L	11	6.2	6.236	6.9	5.8	0.111	0.332	5.82	5.9	6.4	6.84
00406	PH, FIELD, STANDARD UNITS SU	11	7.37	7.375	7.43	7.31	0.002	0.044	7.31	7.35	7.43	7.43
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.37	7.373	7.43	7.31	0.002	0.044	7.31	7.35	7.43	7.43
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.043	0.042	0.049	0.037	0.	0.004	0.037	0.037	0.045	0.049
00480	SALINITY - PARTS PER THOUSAND	11	36.	35.927	37.1	35.2	0.364	0.603	35.2	35.4	36.2	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.95	1.02	1.7	0.5	0.197	0.444	0.5	0.575	1.375	1.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	11	1.6	1.745	2.5	1.	0.183	0.427	1.1	1.5	2.	2.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	28.8	28.46	30.8	25.9	2.852	1.689	25.98	26.775	29.9	30.71
00032	CLOUD COVER (PERCENT)	10	35.	43.5	85.	15.	516.944	22.736	16.5	30.	57.5	84.5
00035	WIND VELOCITY (MILES PER HOUR)	10	5.	4.65	10.	2.5	5.281	2.298	2.5	2.5	5.25	9.6
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	3.5	4.09	12.	0.4	13.299	3.647	0.41	0.95	6.15	11.61
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	1.7	1.589	2.	0.5	0.206	0.454	0.5	1.5	1.9	2.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54400.	54033.333	56500.	50900.	3245000.	1801.388	50900.	52700.	55650.	56500.
00300	OXYGEN, DISSOLVED MG/L	10	6.6	6.32	7.2	5.1	0.504	0.71	5.13	5.7	6.8	7.19
00406	PH, FIELD, STANDARD UNITS SU	10	7.495	7.524	7.83	7.27	0.037	0.193	7.279	7.375	7.733	7.827
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.495	7.488	7.83	7.27	0.039	0.197	7.279	7.375	7.733	7.827
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.032	0.032	0.054	0.015	0.	0.013	0.015	0.019	0.042	0.053
00480	SALINITY - PARTS PER THOUSAND	9	36.	35.689	37.6	33.4	1.721	1.312	33.4	34.75	36.7	37.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	1.2	1.3	3.1	0.4	0.78	0.883	0.4	0.45	1.75	3.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	1.9	1.86	2.5	1.5	0.098	0.313	1.5	1.5	2.	2.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.7	28.618	30.6	26.4	2.322	1.524	26.44	26.6	30.1	30.5
00032	CLOUD COVER (PERCENT)	11	55.	48.182	95.	10.	546.364	23.374	13.	30.	65.	89.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	4.591	7.5	0.5	6.991	2.644	0.5	2.5	7.5	7.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	4.15	4.62	8.1	1.2	7.171	2.678	1.21	2.2	7.7	8.06
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	1.5	1.508	2.	0.5	0.175	0.419	0.5	1.5	1.775	2.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54400.	54263.636	55200.	52300.	938545.455	968.786	52400.	53600.	55000.	55200.
00300	OXYGEN, DISSOLVED MG/L	11	6.2	6.355	7.4	5.5	0.383	0.619	5.52	5.9	6.9	7.32
00406	PH, FIELD, STANDARD UNITS SU	6	7.87	7.855	8.02	7.7	0.015	0.123	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	6	7.867	7.841	8.02	7.7	0.015	0.124	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	6	0.014	0.014	0.02	0.01	0.	0.004	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	36.1	35.827	36.6	34.4	0.592	0.77	34.46	35.1	36.4	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	1.95	1.73	3.2	0.1	0.876	0.936	0.16	0.85	2.4	3.12
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	1.8	1.97	3.5	1.5	0.398	0.631	1.5	1.5	2.2	3.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	28.3	28.678	30.7	26.	3.222	1.795	26.	27.1	30.5	30.7
00032	CLOUD COVER (PERCENT)	9	30.	32.222	100.	5.	800.694	28.297	5.	12.5	40.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	5.556	10.	3.	4.528	2.128	3.	4.5	6.5	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	4.3	4.9	7.9	2.5	7.56	2.75	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	1.3	1.311	2.	0.5	0.311	0.558	0.5	0.75	1.9	2.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600.	54488.889	55500.	53300.	706111.111	840.304	53300.	53600.	55200.	55500.
00300	OXYGEN, DISSOLVED MG/L	9	6.2	6.133	6.5	5.7	0.082	0.287	5.7	5.9	6.4	6.5
00406	PH, FIELD, STANDARD UNITS SU	9	7.94	8.013	8.24	7.83	0.019	0.138	7.83	7.91	8.12	8.24
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.94	7.995	8.24	7.83	0.02	0.14	7.83	7.91	8.12	8.24
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.011	0.01	0.015	0.006	0.	0.003	0.006	0.008	0.012	0.015
00480	SALINITY - PARTS PER THOUSAND	9	36.1	36.111	36.9	35.2	0.394	0.627	35.2	35.5	36.65	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	1.5	1.6	2.5	0.9	0.308	0.555	0.9	1.15	2.15	2.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	2.1	2.178	2.7	1.8	0.134	0.367	1.8	1.8	2.55	2.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	29.2	28.644	30.5	26.5	2.015	1.42	26.5	27.3	29.8	30.5
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	33.889	100.	5.	779.861	27.926	5.	12.5	40.	100.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	4.667	10.	0.	9.75	3.122	0.	2.	6.5	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	9	1.8	1.789	3.	0.9	0.501	0.708	0.9	1.1	2.3	3.
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.	1.041	1.67	0.5	0.14	0.375	0.5	0.75	1.3	1.67
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.333	56.	50.	3.5	1.871	50.	52.	54.5	56.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.	6.167	7.2	5.6	0.298	0.545	5.6	5.8	6.6	7.2
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.14	8.227	8.96	8.05	0.086	0.294	8.05	8.055	8.285	8.96
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.14	8.167	8.96	8.05	0.09	0.3	8.05	8.055	8.285	8.96
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.007	0.009	0.001	0.	0.003	0.001	0.005	0.009	0.009
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.7	35.2	36.8	32.7	1.707	1.307	32.7	34.25	36.05	36.8
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-09/20/94	8	3.3	3.35	5.4	1.7	2.211	1.487	**	**	**	**
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	1.7	1.756	3.	1.2	0.343	0.585	1.2	1.25	2.05	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.5	29.265	30.8	26.8	1.233	1.11	27.66	28.2	30.1	30.7
00032	CLOUD COVER (PERCENT)	30	40.	45.867	100.	5.	819.568	28.628	5.5	30.	66.25	95.
00035	WIND VELOCITY (MILES PER HOUR)	30	5.	4.567	10.	0.	7.582	2.753	0.05	2.875	5.	9.75
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	1.5	1.423	2.	0.5	0.181	0.426	0.7	1.15	1.685	2.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53650.	46450.367	55500.	50.	345269801.275	18581.437	54.	51950.	54450.	55280.
00300	OXYGEN, DISSOLVED MG/L	31	6.	6.129	7.8	5.3	0.288	0.537	5.42	5.8	6.4	6.86
00406	PH, FIELD, STANDARD UNITS SU	27	7.79	7.723	8.2	7.22	0.097	0.312	7.31	7.36	8.02	8.126
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.79	7.618	8.2	7.22	0.109	0.33	7.31	7.36	8.02	8.126
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.016	0.024	0.06	0.006	0.	0.017	0.007	0.01	0.044	0.049
00480	SALINITY - PARTS PER THOUSAND	30	35.75	35.327	36.9	30.6	1.725	1.313	33.46	34.85	36.1	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	29	1.3	1.631	5.4	0.1	1.622	1.274	0.4	0.85	1.9	3.2
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	1.75	1.83	3.5	0.7	0.313	0.559	1.23	1.5	2.15	2.68

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.45	26.338	27.1	25.4	0.233	0.483	25.47	26.	26.675	27.03
00032	CLOUD COVER (PERCENT)	16	30.	45.25	99.	10.	1151.	33.926	10.	11.25	80.	96.2
00035	WIND VELOCITY (MILES PER HOUR)	16	5.	5.688	10.	2.5	4.663	2.159	2.85	5.	7.125	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	15	1.3	1.301	2.	0.6	0.169	0.411	0.66	1.	1.52	1.88
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53350.	46143.429	55200.	53.	382027063.802	19545.513	54.	52525.	54625.	55100.
00300	OXYGEN, DISSOLVED MG/L	16	6.4	6.569	7.4	5.8	0.244	0.494	5.8	6.225	7.125	7.26
00406	PH, FIELD, STANDARD UNITS SU	16	7.815	7.753	8.37	7.36	0.094	0.307	7.367	7.438	7.938	8.174
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.809	7.66	8.37	7.36	0.103	0.322	7.367	7.438	7.938	8.174
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.016	0.022	0.044	0.004	0.	0.014	0.007	0.012	0.037	0.043
00480	SALINITY - PARTS PER THOUSAND	15	35.3	35.34	36.6	33.	0.97	0.985	33.72	34.6	36.2	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	1.5	1.429	2.4	0.5	0.396	0.629	0.5	0.875	1.95	2.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	1.8	1.869	4.5	1.	0.656	0.81	1.	1.5	2.	3.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	29.1	28.953	30.3	27.2	1.003	1.001	27.4	28.3	29.9	30.1
00032	CLOUD COVER (PERCENT)	17	40.	52.294	100.	15.	703.846	26.53	19.	32.5	77.5	99.2
00035	WIND VELOCITY (MILES PER HOUR)	17	5.	5.353	10.	0.5	5.211	2.283	2.1	5.	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	1.375	1.342	2.5	0.5	0.259	0.509	0.5	1.	1.638	2.05
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54150.	44235.063	56500.	51.	482074438.863	21956.194	53.1	51925.	55200.	56010.
00300	OXYGEN, DISSOLVED MG/L	19	6.3	6.337	7.2	5.1	0.3	0.548	5.8	5.9	6.9	7.1
00406	PH, FIELD, STANDARD UNITS SU	18	7.76	7.793	8.96	7.27	0.21	0.458	7.342	7.387	8.133	8.312
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.756	7.622	8.96	7.27	0.241	0.491	7.342	7.387	8.132	8.312
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.018	0.024	0.054	0.001	0.	0.018	0.005	0.007	0.041	0.046
00480	SALINITY - PARTS PER THOUSAND	16	36.05	35.888	37.6	33.6	1.352	1.163	33.95	35.1	36.75	37.25
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	1.35	1.6	4.5	0.3	1.513	1.23	0.37	0.5	2.35	3.94
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	1.5	1.721	3.	1.	0.222	0.471	1.3	1.5	2.	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0021

NPS Station ID: VIIS0021
 Location: CORAL HARBOR
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.347226/ -64.713892

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-70 /STJ-20 /STJ53(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0021

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.9	28.833	29.6	28.	0.643	0.802	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.2	6.35	7.4	5.6	0.737	0.858	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	32.6	32.6	33.1	32.1	0.5	0.707	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	5.	5.	8.	2.	18.	4.243	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.028	0.028	0.045	0.01	0.001	0.025	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.22	0.18	0.31	0.01	0.024	0.154	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.017	0.017	0.025	0.01	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	3	2.3	2.167	2.9	1.3	0.653	0.808	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	2 ##	15.5	15.5	30.	1.	420.5	20.506	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	2 ##	7.25	7.25	11.	3.5	28.125	5.303	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	176.	176.	350.	2.	60552.	246.073	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	2	10215.	10215.	20000.	430.	191492450.	13838.08	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	1.	103.	410.	0.	41889.333	204.669	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.151	0.728	2.613	0.	1.598	1.264	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5.351								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	35.5	35.5	71.	0.	2520.5	50.205	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.926	0.926	1.851	0.	1.714	1.309	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			8.426								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	1.	1.	1.9	0.1	1.62	1.273	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0021

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0021

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	2.9	1 &	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0022

NPS Station ID: VIIS0022
 Location: LEINSTER BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.363226/ -64.721087

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_LEBA10
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.6	27.411	29.2	25.2	1.377	1.174	25.8	26.2	28.425	28.83
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	64	40.	43.875	100.	0.	756.365	27.502	10.	20.	63.75	85.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	64	5.	5.867	18.	0.	11.605	3.407	1.25	5.	7.5	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	47	78.	78.115	94.1	67.1	40.124	6.334	71.36	73.	80.6	90.4
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	59	4.5	4.872	9.7	2.5	2.228	1.493	3.5	4.	5.5	7.25
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54150.	46048.05	56100.	51.	380557142.557	19507.874	55.	52700.	54775.	55290.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.35	6.441	7.6	6.	0.126	0.354	6.	6.175	6.7	6.9
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	61	7.85	7.789	8.95	7.26	0.123	0.351	7.372	7.41	8.04	8.186
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	61	7.85	7.667	8.95	7.26	0.138	0.372	7.372	7.41	8.04	8.186
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	61	0.014	0.022	0.055	0.001	0.	0.015	0.007	0.009	0.039	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.	35.713	37.3	33.	0.793	0.891	34.42	35.15	36.3	36.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.008	0.009	0.021	0.002	0.	0.005	0.003	0.006	0.012	0.019
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.001	0.001	0.001	0.	0.	0.	0.	0.	0.001	0.001
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.001	0.001	0.003	0.	0.	0.001	0.	0.	0.002	0.003
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/16/95	13	0.002	0.002	0.004	0.001	0.	0.001	0.001	0.001	0.003	0.004
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/16/95	13	0.004	0.005	0.007	0.003	0.	0.001	0.003	0.004	0.006	0.007
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	60	0.2	0.285	0.9	0.	0.027	0.165	0.1	0.2	0.4	0.49
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	4.3	4.816	9.7	2.5	2.319	1.523	3.5	3.9	5.5	7.18

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	61	0	0.00	27	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	60	0	0.00	30	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.6	27.322	28.5	25.8	1.282	1.132	25.8	25.95	28.3	28.5
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	49.222	99.	10.	1252.694	35.393	10.	20.	92.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.	10.	0.	6.25	2.5	0.	5.	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	4.	3.875	4.5	3.5	0.125	0.354	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54250.	54325.	54800.	54000.	115833.333	340.343	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.4	7.	6.1	0.098	0.312	6.1	6.1	6.65	7.
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.86	7.924	8.25	7.77	0.029	0.169	7.77	7.81	8.04	8.25
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.86	7.899	8.25	7.77	0.029	0.171	7.77	7.81	8.04	8.25
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.014	0.013	0.017	0.006	0.	0.004	0.006	0.01	0.016	0.017
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.8	35.34	36.3	33.	1.763	1.328	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.241	0.4	0.09	0.017	0.129	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.	3.778	4.5	3.	0.194	0.441	3.	3.5	4.	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	26.8	26.743	28.7	25.2	1.73	1.315	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	20.	39.286	80.	20.	653.571	25.565	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	4	76.9	77.675	82.4	74.5	12.009	3.465	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	3.5	3.5	4.	2.5	0.3	0.548	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52600.	52628.571	53700.	51800.	422380.952	649.908	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.5	6.571	6.9	6.3	0.066	0.256	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	7	7.39	7.51	7.9	7.26	0.061	0.247	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	7	7.39	7.459	7.9	7.26	0.064	0.253	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	7	0.041	0.035	0.055	0.013	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.6	34.7	35.5	34.1	0.217	0.465	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.25	0.6	0.1	0.035	0.187	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	3.5	3.5	4.	2.5	0.3	0.548	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	27.645	29.1	25.5	1.601	1.265	25.56	26.5	28.7	29.06
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	60.	50.909	95.	20.	534.091	23.11	20.	25.	60.	90.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	7.727	15.	5.	11.818	3.438	5.	5.	10.	14.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	11	76.2	76.573	84.5	72.	17.774	4.216	72.	72.3	80.	83.86
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	4.	3.977	5.	3.	0.256	0.506	3.1	3.75	4.	4.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54600.	54445.455	55300.	53400.	298727.273	546.559	53500.	54000.	54800.	55240.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.6	6.509	6.7	6.2	0.041	0.202	6.2	6.3	6.7	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.4	7.4	7.44	7.36	0.001	0.026	7.362	7.38	7.43	7.438
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.4	7.399	7.44	7.36	0.001	0.026	7.362	7.38	7.43	7.438
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.04	0.04	0.044	0.036	0.	0.002	0.036	0.037	0.042	0.043
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.1	36.027	36.6	35.3	0.14	0.374	35.38	35.7	36.3	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.3	0.33	0.5	0.2	0.013	0.116	0.2	0.2	0.425	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	4.	3.982	5.	3.	0.254	0.504	3.1	3.8	4.	4.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.45	27.48	29.	26.	1.335	1.155	26.02	26.2	28.675	28.99
00032	CLOUD COVER (PERCENT)	10	30.	43.5	85.	5.	905.833	30.097	5.5	21.25	80.	84.5
00035	WIND VELOCITY (MILES PER HOUR)	10	5.75	5.8	10.	0.	10.622	3.259	0.15	4.125	8.125	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	72.65	72.94	79.5	67.1	14.28	3.779	67.46	70.775	74.65	79.45
00078	TRANSPARENCY, SECCHI DISC (METERS)	6	5.25	5.125	6.25	3.5	0.844	0.919	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600.	54222.222	56100.	51600.	2076944.444	1441.161	51600.	53100.	55400.	56100.
00300	OXYGEN, DISSOLVED MG/L	10	6.75	6.67	7.6	6.	0.362	0.602	6.	6.075	7.25	7.58
00406	PH, FIELD, STANDARD UNITS SU	10	7.47	7.574	7.98	7.35	0.055	0.236	7.351	7.39	7.835	7.97
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.467	7.524	7.98	7.35	0.058	0.241	7.351	7.39	7.835	7.97
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.034	0.03	0.045	0.01	0.	0.013	0.011	0.015	0.041	0.045
00480	SALINITY - PARTS PER THOUSAND	9	36.3	35.9	37.3	34.	1.142	1.069	34.	35.	36.75	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.4	0.8	0.2	0.038	0.194	0.2	0.25	0.5	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	5.	4.811	7.	3.	1.921	1.386	3.	3.5	5.9	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.7	27.518	29.2	25.8	1.378	1.174	25.82	26.5	28.4	29.12
00032	CLOUD COVER (PERCENT)	9	35.	42.778	85.	20.	406.944	20.173	20.	27.5	55.	85.
00035	WIND VELOCITY (MILES PER HOUR)	9	3.5	4.222	10.	0.5	9.319	3.053	0.5	1.75	6.25	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	81.85	82.34	91.3	71.5	41.823	6.467	71.85	77.85	87.7	91.27
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	6.1	5.939	7.5	3.94	1.465	1.21	3.971	4.813	7.063	7.475
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54400.	54309.091	55200.	52700.	594909.091	771.304	52820.	53800.	54800.	55200.
00300	OXYGEN, DISSOLVED MG/L	11	6.4	6.427	7.1	6.	0.132	0.364	6.	6.1	6.8	7.06
00406	PH, FIELD, STANDARD UNITS SU	7	7.88	7.971	8.39	7.81	0.045	0.211	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	7	7.88	7.935	8.39	7.81	0.046	0.215	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.013	0.012	0.015	0.004	0.	0.004	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	36.1	35.927	36.6	34.7	0.306	0.553	34.8	35.6	36.2	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.25	0.25	0.4	0.	0.014	0.118	0.02	0.2	0.325	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	6.1	5.95	7.5	3.9	1.483	1.218	3.94	4.825	7.075	7.48

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.2	27.489	28.9	25.6	1.666	1.291	25.6	26.3	28.75	28.9
00032	CLOUD COVER (PERCENT)	9	40.	39.444	70.	5.	534.028	23.109	5.	17.5	60.	70.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	5.667	10.	3.	6.75	2.598	3.	4.	7.5	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	90.8	86.167	94.1	73.6	121.163	11.007	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	4.57	5.044	8.53	3.96	1.812	1.346	3.96	4.57	5.03	8.53
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	54711.111	55800.	53600.	596111.111	772.082	53600.	53950.	55400.	55800.
00300	OXYGEN, DISSOLVED MG/L	9	6.3	6.289	6.7	6.1	0.034	0.183	6.1	6.15	6.35	6.7
00406	PH, FIELD, STANDARD UNITS SU	9	8.04	8.043	8.28	7.92	0.014	0.119	7.92	7.945	8.13	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	8.04	8.03	8.28	7.92	0.014	0.12	7.92	7.945	8.13	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.009	0.009	0.012	0.005	0.	0.002	0.005	0.007	0.011	0.012
00480	SALINITY - PARTS PER THOUSAND	9	36.2	36.244	37.1	35.4	0.365	0.604	35.4	35.65	36.8	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.2	0.28	0.9	0.06	0.07	0.265	0.06	0.08	0.4	0.9
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.6	5.067	8.5	4.	1.758	1.326	4.	4.6	5.05	8.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.8	27.444	28.7	25.8	1.215	1.102	25.8	26.2	28.35	28.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	39.444	100.	0.	1421.528	37.703	0.	12.5	80.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.5	18.	0.	30.5	5.523	0.	2.75	10.	18.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/07/89-10/26/94	9	78.5	78.567	90.3	72.9	26.888	5.185	72.9	74.1	80.1	90.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	6.1	6.237	9.7	3.64	4.446	2.109	3.64	4.255	8.185	9.7
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.667	55.	51.	2.25	1.5	51.	52.5	55.	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.211	6.5	6.	0.041	0.203	6.	6.	6.4	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.13	8.239	8.95	8.03	0.091	0.301	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.13	8.177	8.95	8.03	0.095	0.308	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.007	0.009	0.001	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.8	35.344	36.6	33.7	1.145	1.07	33.7	34.35	36.15	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.222	0.3	0.2	0.002	0.044	0.2	0.2	0.25	0.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	6.1	6.244	9.7	3.6	4.483	2.117	3.6	4.25	8.2	9.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.371	29.2	26.9	0.333	0.577	27.3	28.1	28.8	28.98
00032	CLOUD COVER (PERCENT)	31	35.	41.097	100.	5.	645.624	25.409	11.	20.	60.	78.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	5.532	10.	0.	8.882	2.98	1.1	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	4.57	4.999	9.7	3.	2.449	1.565	3.5	4.	5.5	7.25
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54250.	46943.8	55800.	51.	350836920.924	18730.641	55.	52950.	54700.	55270.
00300	OXYGEN, DISSOLVED MG/L	31	6.3	6.29	7.	6.	0.063	0.251	6.	6.1	6.4	6.7
00406	PH, FIELD, STANDARD UNITS SU	27	7.86	7.777	8.39	7.26	0.109	0.331	7.358	7.39	8.04	8.15
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.86	7.659	8.39	7.26	0.124	0.352	7.358	7.39	8.04	8.15
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.014	0.022	0.055	0.004	0.	0.016	0.007	0.009	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	30	36.	35.757	37.1	33.7	0.666	0.816	34.14	35.575	36.2	36.77
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.25	0.297	0.8	0.	0.024	0.156	0.2	0.2	0.4	0.49
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	4.6	5.01	9.7	3.	2.649	1.628	3.5	4.	5.625	7.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.8	25.838	26.5	25.2	0.103	0.32	25.34	25.65	26.	26.29
00032	CLOUD COVER (PERCENT)	16	35.	40.25	99.	0.	753.667	27.453	10.5	20.	61.25	89.2
00035	WIND VELOCITY (MILES PER HOUR)	16	5.	6.438	10.	3.	6.696	2.588	3.35	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	4.27	4.778	8.53	2.5	2.505	1.583	2.9	3.72	6.05	7.598
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53650.	46257.714	55200.	53.	383896153.912	19593.268	54.	52675.	54800.	55200.
00300	OXYGEN, DISSOLVED MG/L	16	6.7	6.6	7.1	6.	0.077	0.278	6.21	6.325	6.8	6.89
00406	PH, FIELD, STANDARD UNITS SU	16	7.82	7.773	8.32	7.36	0.073	0.27	7.395	7.468	7.938	8.117
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.82	7.695	8.32	7.36	0.079	0.281	7.395	7.467	7.938	8.117
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.02	0.044	0.005	0.	0.013	0.008	0.012	0.034	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.4	35.447	36.6	33.	0.857	0.926	33.96	35.	36.3	36.42
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.3	0.283	0.6	0.06	0.019	0.14	0.08	0.2	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	15	4.	4.607	8.5	2.5	2.371	1.54	2.8	3.5	6.	7.12

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.2	27.168	28.4	25.9	0.483	0.695	26.2	26.7	27.7	28.3
00032	CLOUD COVER (PERCENT)	17	60.	52.353	95.	10.	956.618	30.929	10.	22.5	82.5	91.
00035	WIND VELOCITY (MILES PER HOUR)	17	5.	5.941	18.	0.	22.215	4.713	0.	5.	6.25	15.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	17	4.	4.725	7.58	3.5	1.854	1.362	3.5	3.82	5.715	7.516
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54250.	44185.063	56100.	52.	480515511.663	21920.664	53.4	52325.	55000.	55890.
00300	OXYGEN, DISSOLVED MG/L	19	6.4	6.553	7.6	6.	0.209	0.457	6.1	6.2	6.9	7.4
00406	PH, FIELD, STANDARD UNITS SU	18	7.84	7.821	8.95	7.38	0.201	0.449	7.38	7.408	8.155	8.347
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.84	7.655	8.95	7.38	0.231	0.48	7.38	7.407	8.155	8.347
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.014	0.022	0.042	0.001	0.	0.016	0.005	0.007	0.039	0.042
00480	SALINITY - PARTS PER THOUSAND	16	36.2	35.881	37.3	33.7	0.98	0.99	34.19	35.075	36.55	37.09
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.266	0.9	0.06	0.042	0.205	0.081	0.125	0.3	0.62
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	18	4.	4.667	7.6	3.5	1.856	1.363	3.5	3.575	5.475	7.51

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0023

NPS Station ID: VIIS0023
 Location: WATERMELON BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.365281/ -64.721670

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-72E
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.9	28.667	29.1	28.	0.343	0.586	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.4	6.4	6.7	6.1	0.067	0.258	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.6	33.6	33.8	33.4	0.08	0.283	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	19.5	19.5	38.	1.	684.5	26.163	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.105	0.105	0.2	0.01	0.018	0.134	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.015	0.015	0.019	0.01	0.	0.006	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.5	2.5	2.8	2.2	0.18	0.424	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	1.5	1.75	4.	0.	4.25	2.062	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.239	0.27	0.602	0.	0.1	0.316	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.861								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0023

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0024

NPS Station ID: VIIS0024
 Location: GREAT LAMESHUR BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.319448/ -64.723615

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-62 /STJ-12 /STJ51(VIHD)
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0024

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.967	29.3	28.6	0.123	0.351	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.4	6.35	7.3	5.3	0.837	0.915	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.15	33.15	33.2	33.1	0.005	0.071	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	21.	21.	25.	17.	32.	5.657	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.2	0.157	0.26	0.01	0.017	0.131	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.014	0.017	0.025	0.013	0.	0.007	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.7	2.7	3.1	2.3	0.32	0.566	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	2 ##	15.5	15.5	30.	1.	420.5	20.506	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	2 ##	7.25	7.25	11.	3.5	28.125	5.303	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	191.	191.	380.	2.	71442.	267.286	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	2	10125.	10125.	20000.	250.	195031250.	13965.359	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	135.	540.	0.	72900.	270.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.	0.683	2.732	0.	1.866	1.366	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.821								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	92.	92.	184.	0.	16928.	130.108	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	1.132	1.132	2.265	0.	2.565	1.601	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			13.565								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	0.6	0.6	1.1	0.1	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0024

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0024

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	2.9	1 &	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0025

NPS Station ID: VIIS0025
 Location: GREAT LAMESHUR BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC:
 Major Basin: ST JOHN - 50 FT OFF END
 Minor Basin: OF DOCK DEPTH 3/3.5 METERS
 RF1 Index:
 RF3 Index:
 Description:

LAT/LON: 18.320003/ -64.723892

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 51 /STJ51
 Within Park Boundary: Yes

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	37	28.2	27.759	29.9	2.409	1.552	25.56	26.65	29.	29.56
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	31	0.4	0.471	1.	0.2	0.043	0.208	0.3	0.6	0.78
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	37	3.	2.095	3.5	0.	2.609	1.615	0.	3.5	3.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	16	6.45	6.606	8.3	6.1	0.315	0.562	6.1	6.2	7.53
00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	21	6.3	6.181	7.8	4.2	0.67	0.818	4.46	5.9	6.88
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	29	8.15	8.162	8.4	8.	0.013	0.114	8.	8.075	8.225
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	29	8.15	8.148	8.4	8.	0.013	0.115	8.	8.075	8.225
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	29	0.007	0.007	0.01	0.004	0.	0.002	0.005	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	35	35.5	35.694	39.	32.3	1.515	1.231	34.68	34.9	37.04
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-03/18/86	2	4.2	4.2	8.	0.4	28.88	5.374	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/23/86-03/18/86	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/86-03/18/86	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/86-03/18/86	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	37	0.	1.568	26.	0.	27.002	5.196	0.	0.	0.75
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	37	0.	0.065	1.415	-0.301	0.119	0.346	0.	0.	-0.151
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.161							0.361
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	9	0.3	0.429	1.2	0.03	0.163	0.404	0.03	0.165	0.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

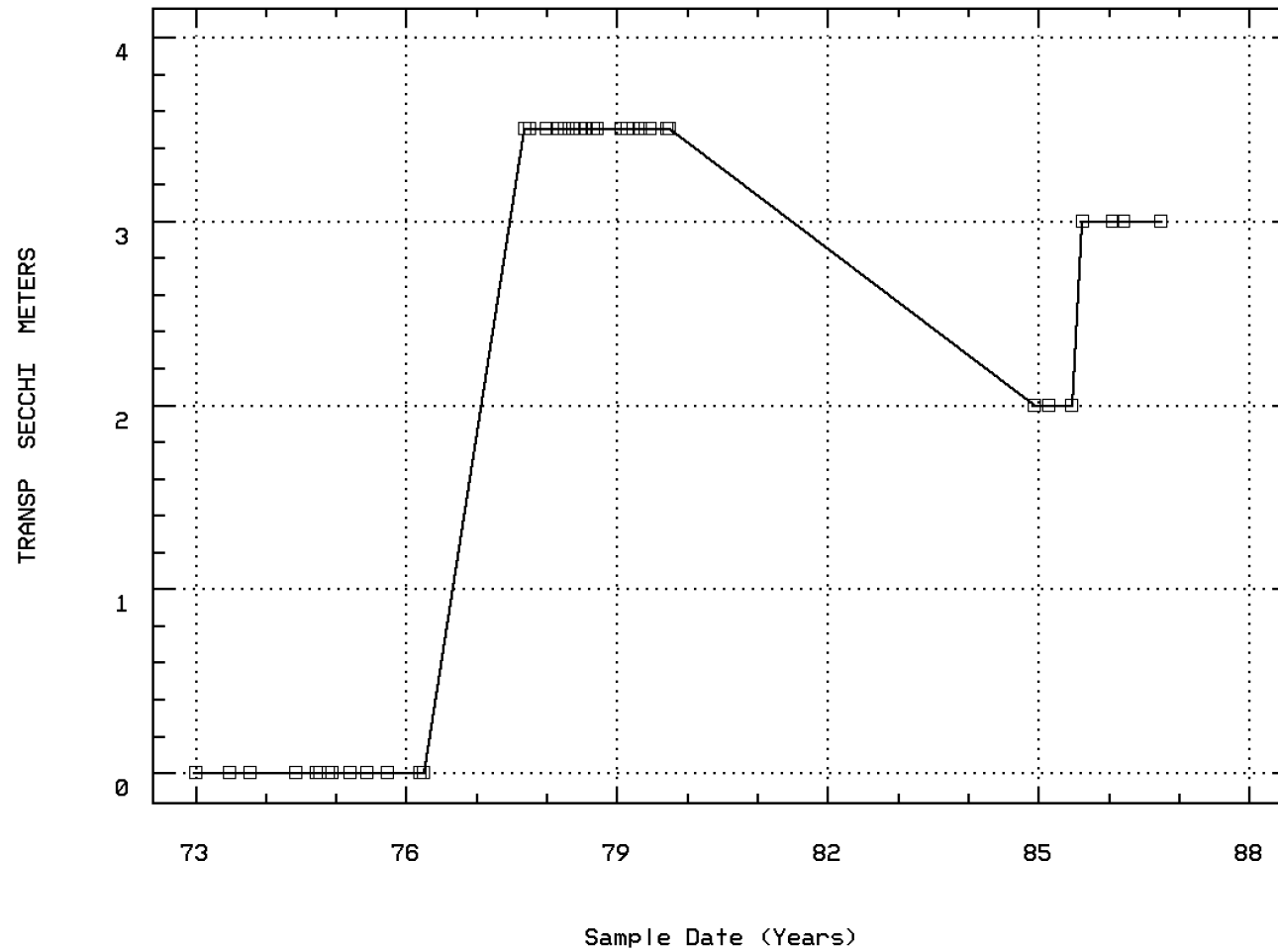
EPA Water Quality Criteria Analysis for Station: VIIS0025

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	31	0	0.00	14	0	0.00	6	0	0.00	11	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	16	0	0.00	7	0	0.00	3	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	10	0	0.00	4	0	0.00	7	0	0.00		
00400	PH	Other-Hi Lim.	9.	29	0	0.00	12	0	0.00	6	0	0.00	11	0	0.00		
		Other-Lo Lim.	6.5	29	0	0.00	12	0	0.00	6	0	0.00	11	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	37	0	0.00	16	0	0.00	8	0	0.00	13	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0025 Parameter Code: 00078

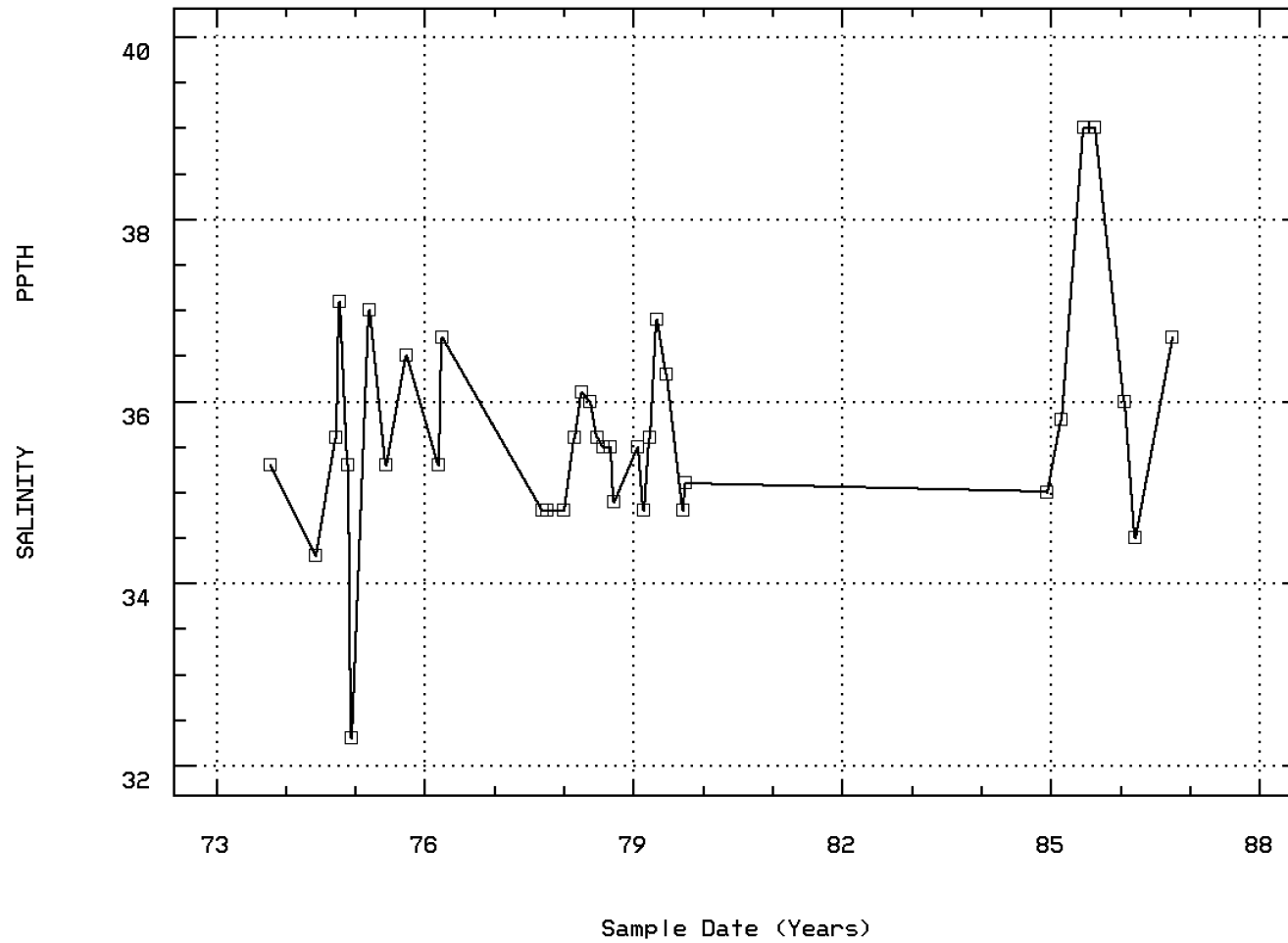
TRANSPARENCY, SECCHI DISC (METERS)



GREAT LAMESHUR BAY

Station: VIIS0025 Parameter Code: 00480

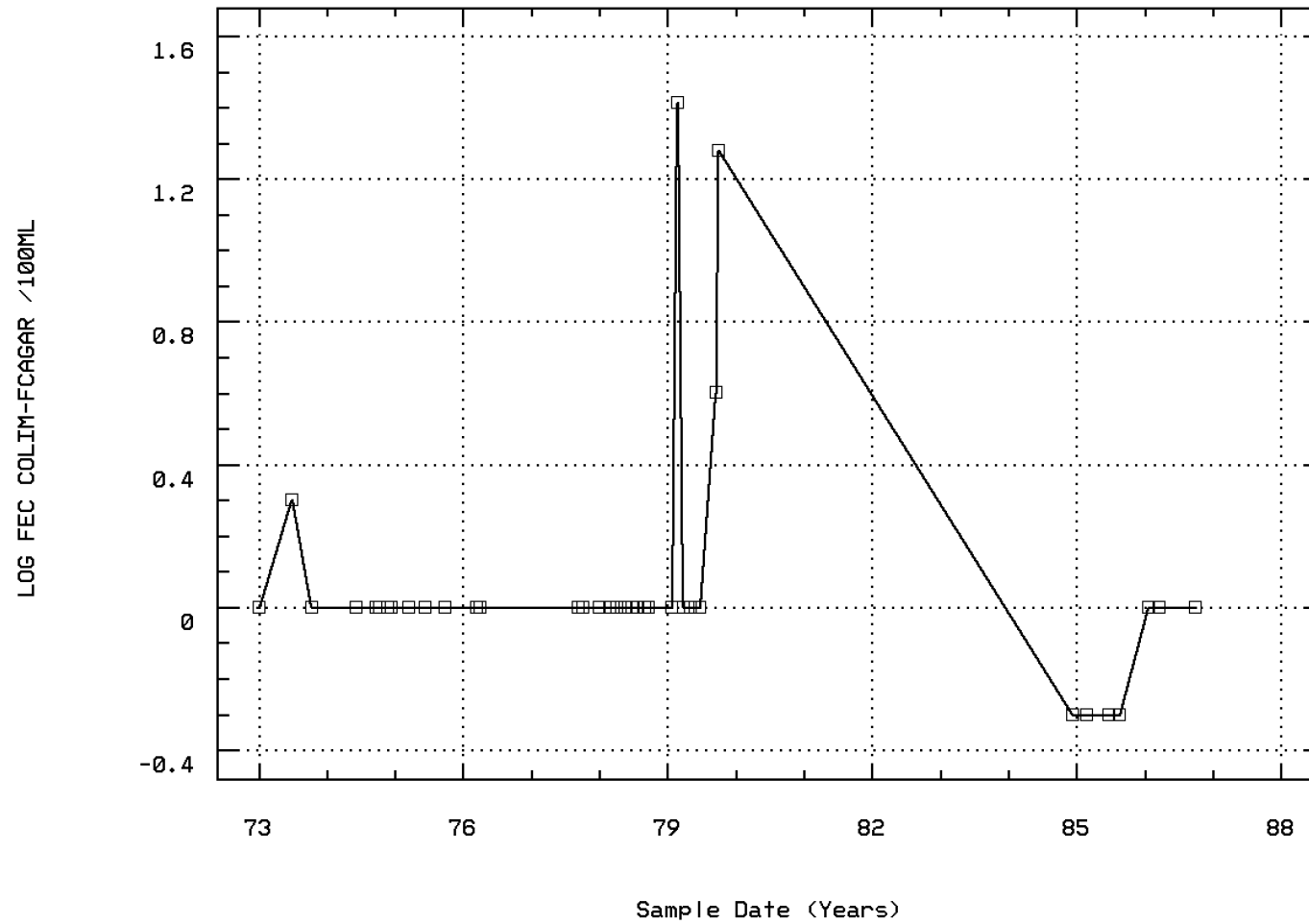
SALINITY - PARTS PER THOUSAND



GREAT LAMESHUR BAY

Station: VIIS0025 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



GREAT LAMESHUR BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	17	28.9	28.541	29.8	25.7	1.203	1.097	26.58	28.25	29.05	29.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	14	0.35	0.443	1.	0.2	0.058	0.241	0.2	0.3	0.625	0.9
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	16	3.	2.031	3.5	0.	2.782	1.668	0.	0.	3.5	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	10	6.	5.86	7.8	4.2	1.127	1.062	4.2	5.175	6.325	7.66
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	12	8.175	8.154	8.4	8.	0.013	0.114	8.	8.063	8.2	8.355
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	12	8.174	8.141	8.4	8.	0.013	0.115	8.	8.063	8.2	8.355
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	12	0.007	0.007	0.01	0.004	0.	0.002	0.004	0.006	0.009	0.01
00480p	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	16	35.3	35.513	39.	32.3	1.988	1.41	34.05	34.825	36.275	37.67
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	16	0.	1.625	19.	0.	22.483	4.742	0.	0.	0.875	8.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	16	0.	0.08	1.279	-0.301	0.138	0.372	0.	0.	-0.075	0.805
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.202								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	7	26.1	26.2	27.	25.	0.467	0.683	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	6	0.55	0.517	0.7	0.3	0.034	0.183	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	8	3.25	2.375	3.5	0.	2.411	1.553	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	4	6.55	6.55	6.7	6.4	0.017	0.129	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	6	8.15	8.142	8.3	8.	0.015	0.124	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	6	8.15	8.127	8.3	8.	0.016	0.125	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	6	0.007	0.007	0.01	0.005	0.	0.002	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	7	35.6	35.643	37.	34.8	0.573	0.757	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	8	0.25	3.563	26.	0.	82.388	9.077	**	**	**	**
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	8	-0.151	0.139	1.415	-0.301	0.277	0.526	**	**	**	**
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.378								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

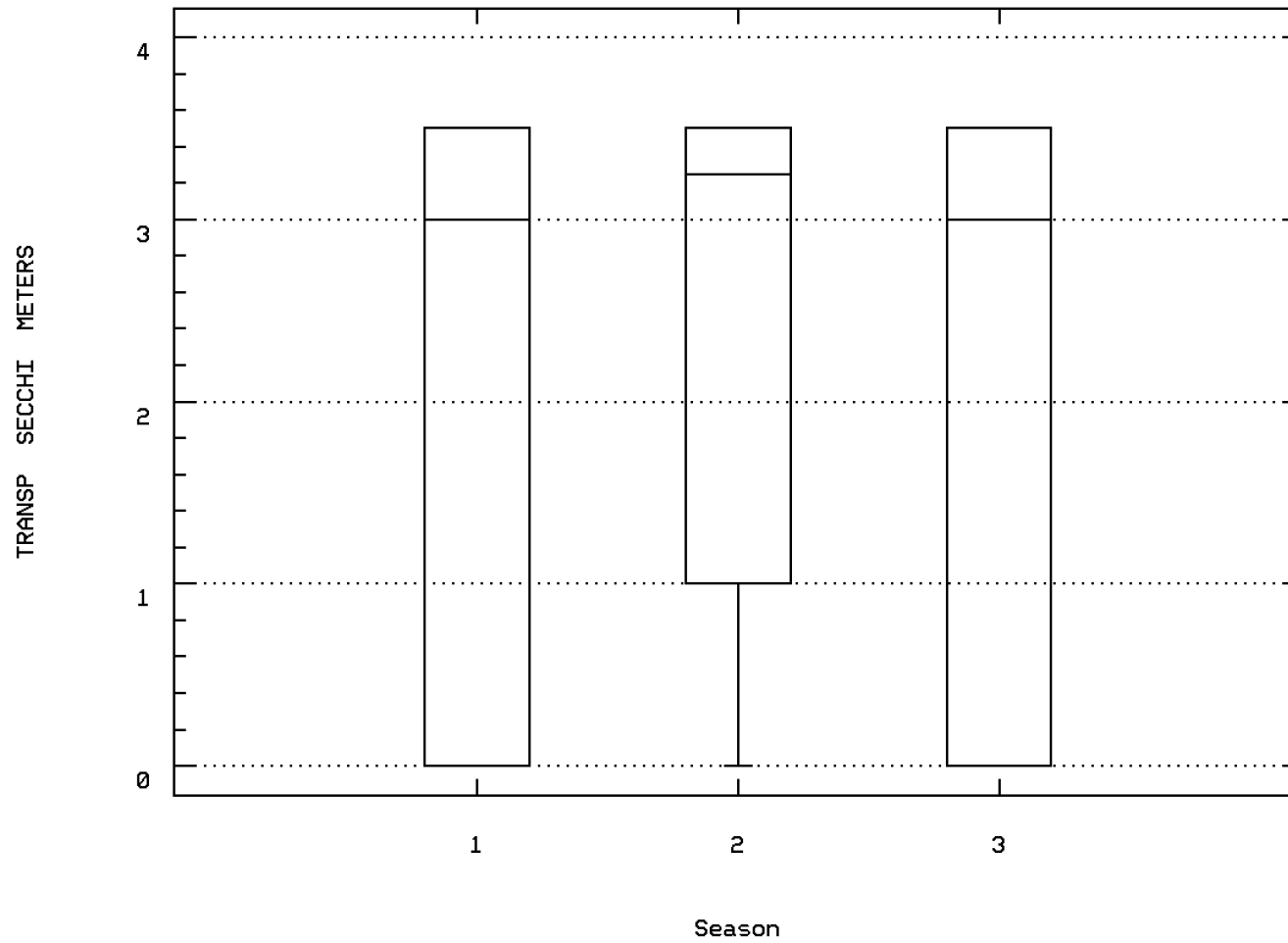
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	13	28.	27.577	29.9	24.1	3.069	1.752	24.34	26.65	29.	29.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	11	0.5	0.482	0.9	0.3	0.036	0.189	0.3	0.3	0.6	0.84
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	3.	2.	3.5	0.	2.875	1.696	0.	0.	3.5	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	7	6.7	6.429	6.9	5.8	0.199	0.446	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.2	8.182	8.4	8.	0.014	0.117	8.	8.15	8.25	8.38
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.2	8.168	8.4	8.	0.014	0.118	8.	8.15	8.25	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	11	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.006	0.007	0.01
00480p	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	12	35.8	35.967	39.	34.3	1.53	1.237	34.36	35.3	36.6	38.37
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-09/30/86	13	0.	0.269	2.	0.	0.359	0.599	0.	0.	0.25	1.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-09/30/86	13	0.	0.	0.301	-0.301	0.015	0.123	0.	0.	-0.151	0.181
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0025 Parameter Code: 00078

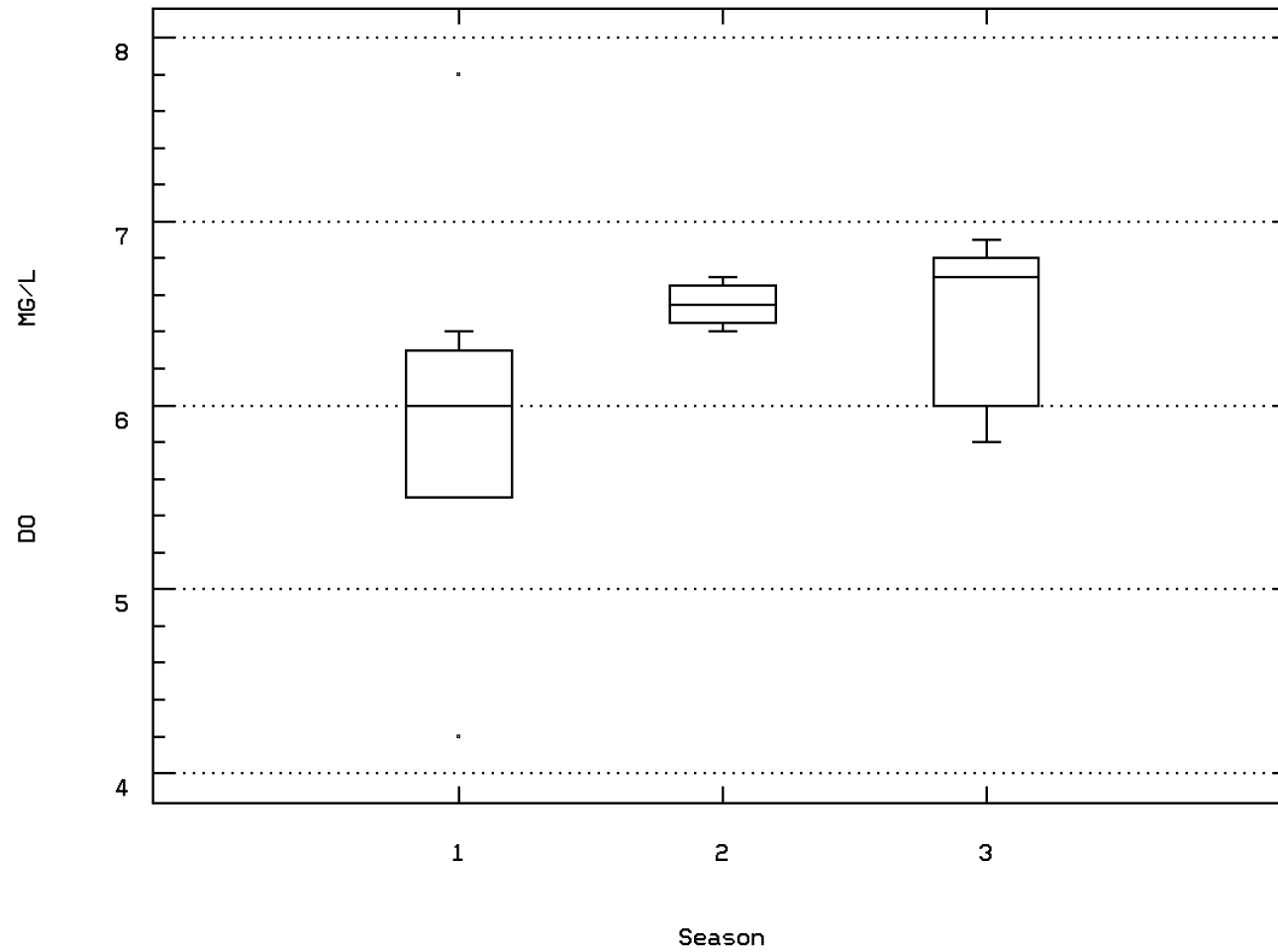
TRANSPARENCY, SECCHI DISC (METERS)



GREAT LAMESHUR BAY

Station: VIIS0025 Parameter Code: 00300

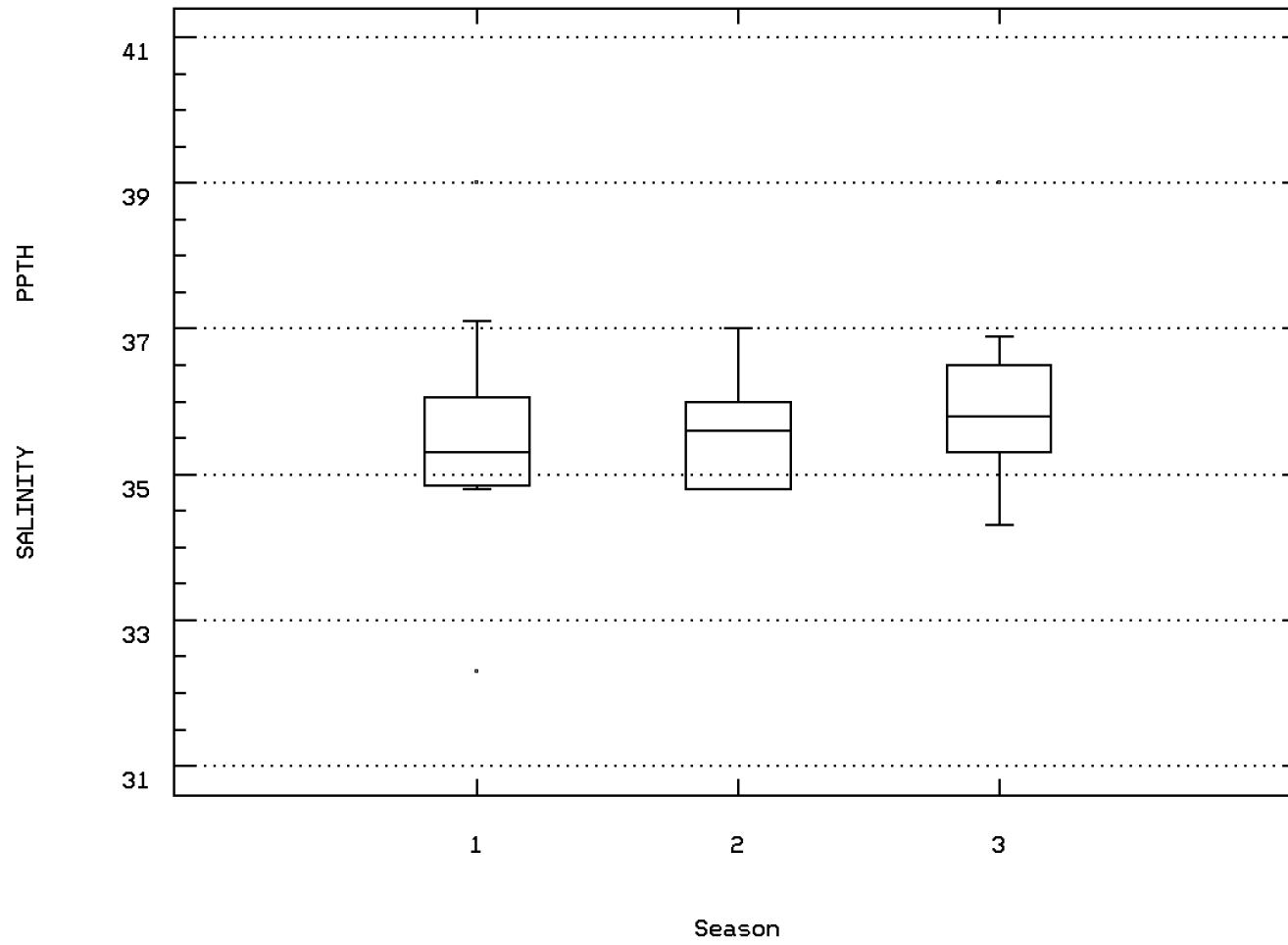
OXYGEN, DISSOLVED



GREAT LAMESHUR BAY

Station: VIIS0025 Parameter Code: 00480

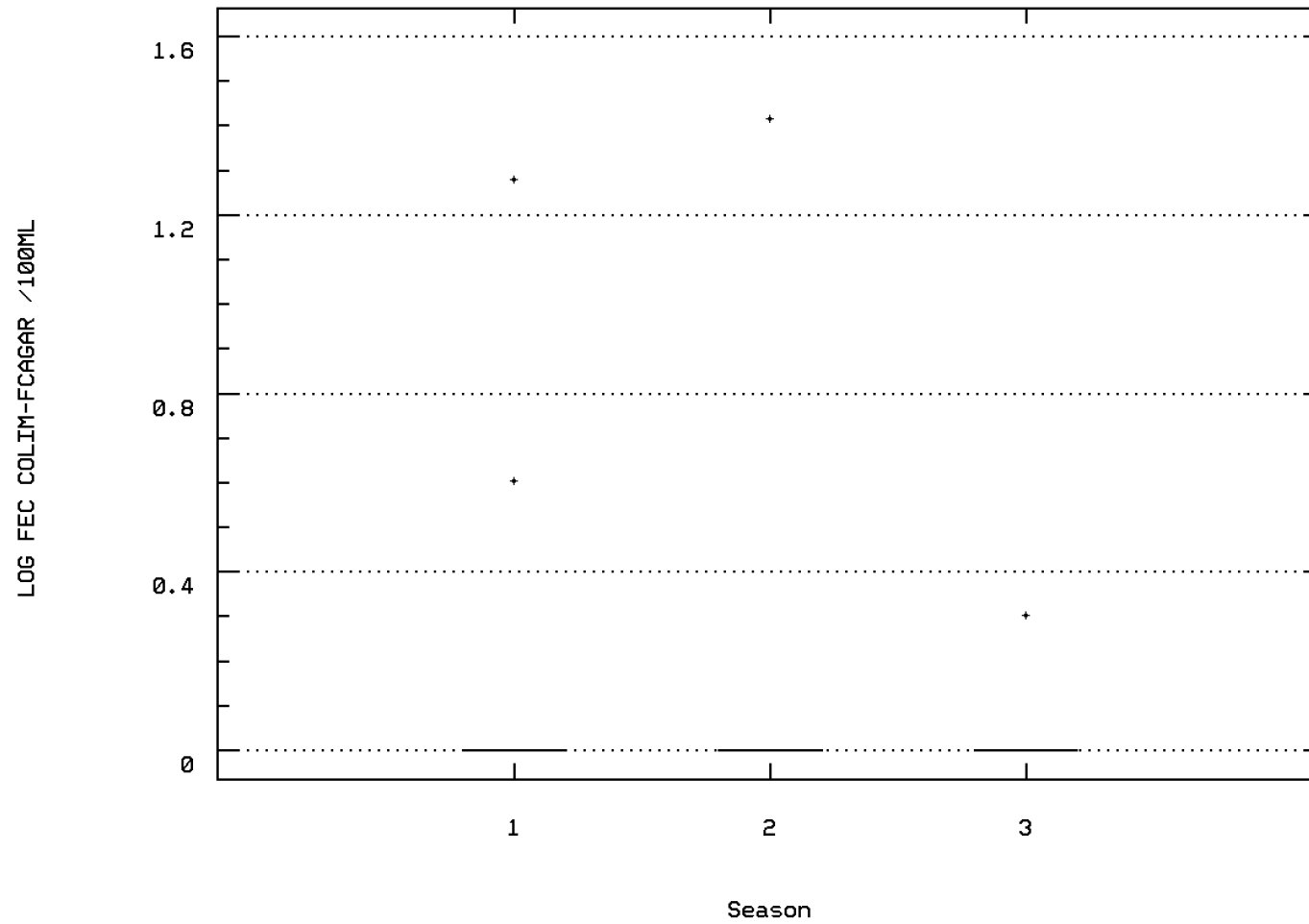
SALINITY - PARTS PER THOUSAND



GREAT LAMESHUR BAY

Station: VIIS0025 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



GREAT LAMESHUR BAY

Station Inventory for Station: VIIS0026

NPS Station ID: VIIS0026

Location: GREAT LAMESHUR BAY 50 F OFF END OF DOCK 3/3.5 M

Station Type: /TYPA/AMBNT/OCEAN

RMI-Indexes:

RMI-Miles:

HUC: 21020001

Major Basin: VIRGIN ISLANDS

Minor Basin: ST. JOHN

RF1 Index: 21020001

RF3 Index:

Description:

LAT/LON: 18.320003/ -64.723892

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 21V1

FIPS State/County: 78003 VIRGIN ISLANDS/

STORET Station ID(s): STJ-51

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

Date Created: 10/08/83

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: VIIS0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: VIIS0027

NPS Station ID: VIIS0027
 Location: GREAT LAMESHUR BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.318198/ -64.724032

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_GLAB18
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.3	28.021	30.4	25.8	1.575	1.255	26.2	26.85	29.1	29.53
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	35.	40.338	100.	5.	718.79	26.81	13.	20.	55.	82.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	65	5.	7.031	15.	0.	15.421	3.927	1.8	5.	10.	12.5
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	60.5	58.502	84.5	33.2	83.933	9.161	44.7	53.05	64.05	66.72
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	62	3.25	3.303	6.	1.8	0.79	0.889	2.	2.998	3.66	4.27
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53700.	45839.7	56000.	51.	377244916.383	19422.794	54.	52425.	54575.	55200.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.7	6.779	8.3	5.8	0.301	0.548	6.	6.4	7.2	7.53
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	60	7.81	7.787	8.74	7.27	0.123	0.351	7.372	7.42	8.09	8.228
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	60	7.81	7.663	8.74	7.27	0.139	0.372	7.372	7.42	8.09	8.228
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	60	0.015	0.022	0.054	0.002	0.	0.015	0.006	0.008	0.038	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.6	35.534	37.2	33.5	0.811	0.9	34.3	35.05	36.2	36.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.013	0.014	0.032	0.003	0.	0.009	0.003	0.007	0.021	0.03
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.003	0.001	0.	0.001	0.001	0.001	0.002	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.008	0.	0.	0.002	0.	0.001	0.004	0.007
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.005	0.005	0.01	0.001	0.	0.003	0.001	0.002	0.005	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.005	0.011	0.001	0.	0.003	0.001	0.002	0.008	0.01
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	60	0.4	0.5	2.2	0.09	0.108	0.329	0.3	0.3	0.6	0.89
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	3.3	3.328	7.	1.8	0.85	0.922	2.	3.	3.6	4.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0027

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	60	0	0.00	27	0	0.00	16	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	60	0	0.00	27	0	0.00	16	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	60	0	0.00	30	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.9	27.878	29.9	25.9	2.089	1.445	25.9	26.45	29.15	29.9
00032	CLOUD COVER (PERCENT)	9	30.	47.111	99.	5.	1206.361	34.733	5.	17.5	77.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	6.111	10.	0.	11.111	3.333	0.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	2.	2.361	3.	2.	0.205	0.453	2.	2.	2.875	3.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4	53800.	53800.	54000.	53600.	33333.333	182.574	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	9	6.6	6.667	7.7	5.8	0.435	0.66	5.8	6.15	7.25	7.7
00406	PH, FIELD, STANDARD UNITS SU	9	7.85	7.917	8.28	7.47	0.059	0.242	7.47	7.81	8.14	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.85	7.855	8.28	7.47	0.063	0.251	7.47	7.81	8.14	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.014	0.014	0.034	0.005	0.	0.008	0.005	0.007	0.015	0.034
00480	SALINITY - PARTS PER THOUSAND	5	35.4	35.1	35.8	33.5	0.875	0.935	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	7	0.4	0.599	2.2	0.09	0.542	0.736	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	2.5	2.422	3.	2.	0.192	0.438	2.	2.	2.9	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	28.	27.486	29.2	25.8	1.651	1.285	**	**	**	**
00032	CLOUD COVER (PERCENT)	7	30.	42.143	85.	20.	715.476	26.748	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	7	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	49.3	51.433	60.	45.	59.663	7.724	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	2.5	2.614	3.3	2.	0.258	0.508	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	7	52300.	52442.857	53700.	51200.	676190.476	822.308	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	7	7.3	7.1	8.3	5.8	0.77	0.877	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	7	7.42	7.534	8.01	7.27	0.068	0.261	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	7	7.42	7.479	8.01	7.27	0.072	0.268	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.038	0.033	0.054	0.01	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	7	34.4	34.543	35.5	33.6	0.363	0.602	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	6	0.3	0.433	0.8	0.3	0.047	0.216	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	7	2.5	2.614	3.3	2.	0.258	0.508	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.4	28.236	30.4	26.2	1.641	1.281	26.22	27.5	29.1	30.22
00032	CLOUD COVER (PERCENT)	10	50.	52.5	95.	20.	462.5	21.506	21.	37.5	70.	92.5
00035	WIND VELOCITY (MILES PER HOUR)	10	10.	9.	15.	0.	26.667	5.164	0.5	5.	15.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	11	56.2	57.555	68.5	46.5	33.549	5.792	47.84	54.	61.5	67.24
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	3.25	3.245	3.5	3.	0.05	0.224	3.	3.	3.5	3.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54000.	54163.636	55200.	53300.	366545.455	605.43	53360.	53700.	54700.	55120.
00300	OXYGEN, DISSOLVED MG/L	11	6.7	6.736	7.2	6.	0.135	0.367	6.1	6.5	7.1	7.2
00406	PH, FIELD, STANDARD UNITS SU	11	7.39	7.394	7.43	7.34	0.001	0.028	7.344	7.37	7.42	7.428
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.39	7.393	7.43	7.34	0.001	0.028	7.344	7.37	7.42	7.428
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.041	0.04	0.046	0.037	0.	0.003	0.037	0.038	0.043	0.045
00480	SALINITY - PARTS PER THOUSAND	11	35.7	35.836	36.6	35.2	0.187	0.432	35.24	35.5	36.2	36.54
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.4	0.45	0.9	0.3	0.036	0.19	0.3	0.3	0.525	0.87
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	11	3.3	3.255	3.5	3.	0.051	0.225	3.	3.	3.5	3.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	28.1	27.96	29.6	26.3	1.765	1.328	26.3	26.6	29.325	29.58
00032	CLOUD COVER (PERCENT)	10	35.	41.	75.	15.	471.111	21.705	15.5	23.75	63.75	75.
00035	WIND VELOCITY (MILES PER HOUR)	10	6.25	6.95	12.5	2.5	12.247	3.5	2.5	4.375	10.25	12.35
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	58.4	55.79	66.	39.8	81.352	9.02	40.	48.1	62.6	65.84
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	3.3	3.571	6.	2.5	1.299	1.14	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54500.	53922.222	56000.	51200.	2519444.444	1587.276	51200.	52600.	55200.	56000.
00300	OXYGEN, DISSOLVED MG/L	10	6.8	6.8	7.5	5.9	0.336	0.579	5.91	6.375	7.35	7.5
00406	PH, FIELD, STANDARD UNITS SU	10	7.505	7.558	7.91	7.36	0.037	0.192	7.363	7.398	7.755	7.899
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.505	7.524	7.91	7.36	0.038	0.196	7.363	7.397	7.755	7.899
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.031	0.03	0.044	0.012	0.	0.011	0.013	0.018	0.04	0.043
00480	SALINITY - PARTS PER THOUSAND	9	36.2	35.667	37.2	33.6	1.5	1.225	33.6	34.6	36.65	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.6	1.2	0.2	0.168	0.409	0.2	0.3	1.1	1.2
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.15	3.55	7.	2.5	1.589	1.261	2.55	3.	3.55	6.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.4	28.091	30.	26.	1.601	1.265	26.04	26.9	29.	29.84
00032	CLOUD COVER (PERCENT)	11	35.	38.455	60.	15.	140.273	11.844	18.	35.	50.	58.
00035	WIND VELOCITY (MILES PER HOUR)	11	7.5	6.364	15.	1.	22.105	4.702	1.	1.5	9.	14.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	63.05	61.06	84.5	33.2	187.289	13.685	34.93	52.075	67.	83.35
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	3.5	3.398	4.5	1.8	0.508	0.713	1.923	3.083	3.85	4.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54300.	54236.364	55700.	52400.	766545.455	875.526	52620.	53700.	54900.	55580.
00300	OXYGEN, DISSOLVED MG/L	11	6.9	6.918	7.9	5.9	0.338	0.581	6.	6.4	7.3	7.84
00406	PH, FIELD, STANDARD UNITS SU	5	7.93	7.9	8.06	7.73	0.022	0.149	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	5	7.93	7.879	8.06	7.73	0.023	0.151	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	5	0.012	0.013	0.019	0.009	0.	0.005	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	35.8	35.745	36.5	34.5	0.373	0.611	34.62	35.5	36.4	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.6	0.6	1.2	0.2	0.069	0.262	0.22	0.4	0.7	1.15
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.5	3.4	4.5	1.8	0.509	0.713	1.92	3.075	3.85	4.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	28.2	28.233	30.	26.2	2.188	1.479	26.2	26.7	29.55	30.
00032	CLOUD COVER (PERCENT)	9	15.	25.	100.	5.	843.75	29.047	5.	10.	25.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	8.	7.611	12.	5.	5.736	2.395	5.	5.	9.	12.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	63.4	59.933	64.7	51.7	51.263	7.16	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.96	3.929	5.49	3.05	0.476	0.69	3.05	3.505	4.115	5.49
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54400.	54433.333	55300.	53300.	685000.	827.647	53300.	53500.	55200.	55300.
00300	OXYGEN, DISSOLVED MG/L	9	6.4	6.522	7.5	6.1	0.179	0.424	6.1	6.2	6.7	7.5
00406	PH, FIELD, STANDARD UNITS SU	9	8.01	8.072	8.3	7.93	0.016	0.126	7.93	7.97	8.175	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	8.01	8.057	8.3	7.93	0.016	0.128	7.93	7.97	8.175	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.01	0.009	0.012	0.005	0.	0.002	0.005	0.007	0.011	0.012
00480	SALINITY - PARTS PER THOUSAND	9	36.1	36.056	36.7	35.1	0.398	0.631	35.1	35.4	36.65	36.7
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.4	0.5	0.3	0.005	0.071	0.3	0.35	0.45	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.	3.967	5.5	3.1	0.46	0.678	3.1	3.55	4.15	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.3	28.089	29.2	26.6	0.841	0.917	26.6	27.15	28.85	29.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	35.556	100.	5.	1402.778	37.454	5.	10.	65.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	7.111	15.	0.	24.111	4.91	0.	3.5	11.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	63.9	61.711	67.7	44.	50.534	7.109	44.	60.3	65.95	67.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.33	3.91	5.76	2.79	1.198	1.094	2.79	3.01	4.86	5.76
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.556	56.	51.	2.278	1.509	51.	52.5	54.5	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.8	6.756	7.2	6.3	0.075	0.274	6.3	6.5	6.9	7.2
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.16	8.239	8.74	8.	0.046	0.215	8.	8.12	8.31	8.74
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.16	8.201	8.74	8.	0.048	0.219	8.	8.12	8.31	8.74
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.006	0.01	0.002	0.	0.002	0.002	0.005	0.008	0.01
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.5	35.267	36.9	33.5	1.203	1.097	33.5	34.35	36.05	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.411	0.6	0.2	0.014	0.117	0.2	0.35	0.5	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.3	3.911	5.8	2.8	1.246	1.116	2.8	3.	4.9	5.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.1	28.845	30.4	26.9	0.687	0.829	27.58	28.3	29.5	29.92
00032	CLOUD COVER (PERCENT)	30	36.5	42.233	100.	5.	904.668	30.078	10.	20.	70.	98.6
00035	WIND VELOCITY (MILES PER HOUR)	30	5.	6.1	15.	0.	15.438	3.929	0.1	4.375	10.	12.25
00078	TRANSPARENCY, SECCHI DISC (METERS)	30	3.425	3.538	6.	1.8	0.926	0.963	2.1	3.	3.96	5.391
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53750.	46650.4	55300.	51.	346519539.214	18615.035	54.	52450.	54400.	55070.
00300	OXYGEN, DISSOLVED MG/L	31	6.5	6.487	7.6	5.8	0.199	0.446	5.9	6.2	6.8	7.18
00406	PH, FIELD, STANDARD UNITS SU	27	7.81	7.769	8.24	7.27	0.104	0.322	7.356	7.39	8.06	8.174
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.81	7.658	8.24	7.27	0.116	0.341	7.356	7.39	8.06	8.174
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.015	0.022	0.054	0.006	0.	0.016	0.007	0.009	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	30	35.6	35.473	36.7	33.5	0.719	0.848	33.68	35.1	36.025	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.4	0.59	2.2	0.2	0.175	0.418	0.3	0.3	0.625	1.19
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.45	3.593	7.	1.8	1.092	1.045	2.55	3.	4.	5.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.3	26.338	27.2	25.8	0.132	0.363	25.87	26.125	26.55	26.99
00032	CLOUD COVER (PERCENT)	16	32.5	38.438	85.	5.	605.729	24.612	12.	20.	57.5	81.5
00035	WIND VELOCITY (MILES PER HOUR)	16	7.5	8.594	15.	5.	13.074	3.616	5.	5.	11.75	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	3.015	2.975	4.27	2.	0.462	0.68	2.	2.375	3.353	4.035
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53300.	46193.429	55700.	53.	383026617.648	19571.066	54.	52550.	54725.	55400.
00300	OXYGEN, DISSOLVED MG/L	16	7.1	7.181	8.3	6.6	0.255	0.505	6.67	6.7	7.5	8.02
00406	PH, FIELD, STANDARD UNITS SU	16	7.85	7.787	8.38	7.39	0.094	0.306	7.411	7.475	8.008	8.184
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.843	7.692	8.38	7.39	0.103	0.321	7.411	7.475	8.007	8.184
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.014	0.02	0.041	0.004	0.	0.013	0.007	0.01	0.034	0.039
00480	SALINITY - PARTS PER THOUSAND	15	35.2	35.427	36.5	33.5	0.746	0.864	34.1	34.9	36.3	36.44
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.4	0.429	0.6	0.3	0.015	0.12	0.3	0.3	0.525	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	3.	3.019	4.3	2.	0.428	0.654	2.	2.625	3.45	3.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.3	28.095	29.9	26.6	0.738	0.859	26.7	27.5	28.7	28.9
00032	CLOUD COVER (PERCENT)	19	30.	38.947	100.	5.	582.164	24.128	15.	20.	50.	75.
00035	WIND VELOCITY (MILES PER HOUR)	19	7.5	7.184	15.	1.	15.423	3.927	1.5	5.	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.1	3.167	5.45	2.	0.697	0.835	2.	2.5	3.5	4.388
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53850.	44010.125	56000.	52.	476934074.383	21838.82	53.4	52025.	55125.	55720.
00300	OXYGEN, DISSOLVED MG/L	19	6.8	6.916	7.7	6.	0.231	0.481	6.4	6.5	7.3	7.6
00406	PH, FIELD, STANDARD UNITS SU	17	7.76	7.814	8.74	7.36	0.197	0.443	7.384	7.415	8.195	8.388
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.76	7.645	8.74	7.36	0.227	0.477	7.384	7.415	8.195	8.388
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.017	0.023	0.044	0.002	0.	0.017	0.004	0.006	0.038	0.041
00480	SALINITY - PARTS PER THOUSAND	16	35.7	35.75	37.2	33.8	1.088	1.043	34.15	34.9	36.6	37.06
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.4	0.393	0.8	0.09	0.042	0.206	0.097	0.225	0.475	0.73
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.	3.168	5.5	2.	0.678	0.823	2.	2.5	3.5	4.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0028

NPS Station ID: VIIS0028
 Location: YAWSI POINT
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.314087/ -64.725837

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_YAPO19
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.1	27.748	30.	25.3	1.527	1.236	26.07	26.75	28.8	29.2
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	35.	39.754	100.	5.	753.157	27.444	8.	20.	57.5	82.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	65	8.	8.185	20.	0.	18.629	4.316	2.6	5.	10.	15.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	45	85.6	81.933	98.	35.	131.936	11.486	68.84	76.	88.8	92.04
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	10.06	10.124	18.	2.	8.771	2.962	6.	8.75	12.06	13.928
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53850.	45811.383	56100.	51.	376783650.274	19410.916	54.1	52350.	54575.	55100.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.4	6.485	7.7	5.6	0.159	0.398	6.	6.2	6.7	7.03
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	60	7.83	7.786	8.78	7.27	0.125	0.354	7.37	7.413	8.088	8.23
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	60	7.83	7.661	8.78	7.27	0.141	0.376	7.37	7.413	8.088	8.23
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	60	0.015	0.022	0.054	0.002	0.	0.015	0.006	0.008	0.039	0.043
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.7	35.561	37.2	33.1	0.823	0.907	34.14	35.05	36.2	36.58
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.009	0.009	0.026	0.002	0.	0.006	0.003	0.006	0.01	0.022
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.003	0.	0.	0.001	0.	0.	0.001	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.002	0.007	0.	0.	0.002	0.	0.001	0.003	0.006
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.003	0.008	0.	0.	0.002	0.	0.001	0.005	0.007
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.015	0.001	0.	0.004	0.001	0.002	0.006	0.014
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.3	0.284	0.8	0.01	0.024	0.155	0.1	0.2	0.4	0.5
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	64	10.7	10.575	18.	2.	8.41	2.9	6.55	9.025	12.725	14.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0028

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	60	0	0.00	27	0	0.00	16	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	60	0	0.00	27	0	0.00	16	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	29	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.1	27.589	28.9	25.8	1.636	1.279	25.8	26.1	28.8	28.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	8	27.5	41.125	99.	5.	1324.411	36.392	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	8	5.	6.875	10.	5.	6.696	2.588	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	8.	7.8	11.	3.2	5.897	2.428	3.2	6.	9.75	11.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54000.	53975.	54300.	53600.	82500.	287.228	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.367	7.1	6.	0.113	0.335	6.	6.1	6.5	7.1
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.87	7.931	8.27	7.57	0.048	0.22	7.57	7.81	8.15	8.27
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.87	7.883	8.27	7.57	0.051	0.225	7.57	7.81	8.15	8.27
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.013	0.013	0.027	0.005	0.	0.007	0.005	0.007	0.016	0.027
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.7	35.16	35.9	33.1	1.358	1.165	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.226	0.5	0.08	0.027	0.163	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	9.	8.356	11.	3.2	6.425	2.535	3.2	6.75	10.5	11.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	27.5	27.029	29.	25.3	1.959	1.4	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	35.	42.143	85.	5.	890.476	29.841	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	7.143	10.	5.	7.143	2.673	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	87.	84.633	90.2	76.7	49.763	7.054	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	12.	10.929	13.	5.	7.702	2.775	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52100.	52371.429	53700.	51100.	722380.952	849.93	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.6	6.614	7.1	6.3	0.085	0.291	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	7	7.41	7.513	7.91	7.27	0.054	0.233	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	7	7.41	7.467	7.91	7.27	0.057	0.238	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	7	0.039	0.034	0.054	0.012	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.5	34.543	35.5	33.6	0.4	0.632	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.267	0.5	0.1	0.023	0.151	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	12.	11.071	13.	5.	8.202	2.864	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	28.009	29.7	26.	1.781	1.335	26.	26.9	29.2	29.68
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	52.273	95.	20.	476.818	21.836	22.	40.	70.	92.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	10.	9.091	15.	0.	24.091	4.908	1.	5.	15.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	11	86.6	80.309	93.6	35.	282.449	16.806	41.48	75.	89.5	93.08
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	12.65	11.93	18.	2.	17.727	4.21	2.65	11.125	14.	17.6
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54000.	54054.545	54600.	53300.	166727.273	408.323	53360.	53800.	54500.	54580.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.7	6.609	7.2	5.9	0.131	0.362	5.98	6.4	6.9	7.16
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	11	7.39	7.392	7.43	7.34	0.001	0.03	7.344	7.37	7.42	7.43
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	11	7.39	7.391	7.43	7.34	0.001	0.03	7.344	7.37	7.42	7.43
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	11	0.041	0.041	0.046	0.037	0.	0.003	0.037	0.038	0.043	0.045
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.8	35.845	36.4	35.3	0.131	0.362	35.32	35.5	36.2	36.36
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.278	0.5	0.1	0.017	0.13	0.1	0.2	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	12.65	12.08	18.	2.	18.475	4.298	2.65	11.125	14.25	17.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	27.95	27.75	29.2	26.1	1.541	1.241	26.11	26.5	29.1	29.19
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	37.5	41.5	75.	15.	511.389	22.614	15.5	20.	63.75	75.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	7.5	8.6	15.	5.	12.656	3.557	5.	5.	12.5	14.75
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	81.7	78.64	87.	57.8	79.594	8.922	59.05	73.9	84.575	86.93
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	9.5	9.5	12.	6.	3.583	1.893	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54600.	53955.556	56100.	51200.	2572777.778	1603.988	51200.	52600.	55200.	56100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.45	6.57	7.4	6.	0.216	0.464	6.01	6.175	7.	7.36
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	10	7.49	7.556	7.9	7.37	0.04	0.199	7.371	7.387	7.778	7.893
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	10	7.49	7.52	7.9	7.37	0.041	0.203	7.371	7.387	7.778	7.893
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	10	0.032	0.03	0.043	0.013	0.	0.011	0.013	0.017	0.041	0.043
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.3	35.7	37.2	33.7	1.435	1.198	33.7	34.65	36.65	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.356	0.7	0.2	0.03	0.174	0.2	0.25	0.45	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	10.	10.55	14.	9.	3.025	1.739	9.	9.	11.5	13.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.1	27.882	30.	25.9	1.592	1.262	25.94	26.8	28.7	29.82
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	35.	38.636	60.	15.	190.455	13.801	17.	30.	50.	59.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	7.5	8.409	20.	1.	36.441	6.037	1.	3.	12.5	19.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	89.75	85.04	98.	57.6	160.096	12.653	58.87	76.975	94.7	97.73
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	11.625	10.656	14.3	5.76	11.532	3.396	5.784	6.75	14.	14.27
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54400.	54072.727	55100.	52300.	804181.818	896.762	52440.	53500.	54900.	55100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.7	6.664	7.7	6.	0.281	0.53	6.	6.2	6.9	7.62
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	5	7.91	7.894	8.1	7.69	0.029	0.17	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	5	7.91	7.868	8.1	7.69	0.03	0.173	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	5	0.012	0.014	0.02	0.008	0.	0.005	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.8	35.718	36.5	34.5	0.432	0.657	34.58	35.4	36.4	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.3	0.311	0.8	0.01	0.049	0.222	0.019	0.175	0.425	0.77
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	13.15	11.9	14.3	5.8	9.611	3.1	5.92	9.85	14.075	14.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.8	27.922	29.7	26.1	1.764	1.328	26.1	26.6	29.15	29.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	24.444	100.	5.	865.278	29.416	5.	7.5	25.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	8.	8.611	15.	3.	9.861	3.14	3.	7.75	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	2	88.1	88.1	88.6	87.6	0.5	0.707	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	10.06	9.752	11.58	7.01	2.511	1.585	7.01	8.53	10.82	11.58
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54800.	54522.222	55500.	53200.	696944.444	834.832	53200.	53650.	55250.	55500.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.156	6.4	5.6	0.055	0.235	5.6	6.1	6.3	6.4
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.03	8.08	8.29	7.95	0.018	0.133	7.95	7.97	8.215	8.29
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.03	8.063	8.29	7.95	0.018	0.134	7.95	7.97	8.215	8.29
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.009	0.009	0.011	0.005	0.	0.002	0.005	0.006	0.011	0.011
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	36.044	36.8	35.1	0.398	0.631	35.1	35.35	36.6	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.296	0.5	0.06	0.017	0.131	0.06	0.2	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	10.1	9.778	11.6	7.	2.559	1.6	7.	8.55	10.85	11.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.2	27.811	28.9	26.1	0.946	0.973	26.1	26.85	28.55	28.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	36.111	100.	5.	1417.361	37.648	5.	7.5	67.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	7.889	15.	0.	33.674	5.803	0.	1.	12.25	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	83.7	81.856	89.	69.8	48.935	6.995	69.8	74.8	88.2	89.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	10.06	10.079	13.64	6.06	4.423	2.103	6.06	9.09	11.36	13.64
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.667	56.	51.	2.5	1.581	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.367	6.7	6.	0.058	0.24	6.	6.15	6.6	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.15	8.24	8.78	8.03	0.052	0.228	8.03	8.105	8.31	8.78
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.15	8.199	8.78	8.03	0.054	0.232	8.03	8.105	8.31	8.78
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.006	0.009	0.002	0.	0.002	0.002	0.005	0.008	0.009
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.8	35.411	36.9	33.6	1.194	1.093	33.6	34.5	36.15	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.233	0.4	0.1	0.008	0.087	0.1	0.2	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	10.1	10.089	13.6	6.1	4.329	2.081	6.1	9.1	11.35	13.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.8	28.671	30.	26.8	0.545	0.738	27.44	28.2	29.1	29.68
00032	CLOUD COVER (PERCENT)	31	40.	42.871	100.	5.	962.516	31.024	6.	20.	70.	98.2
00035	WIND VELOCITY (MILES PER HOUR)	31	8.	7.5	15.	0.	20.617	4.541	0.2	5.	10.	14.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	9.75	9.574	14.	2.	8.312	2.883	6.	8.	12.	13.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53900.	46657.1	55500.	51.	346706618.576	18620.06	54.1	52400.	54525.	54800.
00300	OXYGEN, DISSOLVED MG/L	31	6.3	6.297	7.2	5.6	0.109	0.33	6.	6.1	6.4	6.7
00406	PH, FIELD, STANDARD UNITS SU	27	7.84	7.771	8.23	7.27	0.106	0.325	7.356	7.39	8.09	8.166
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.84	7.657	8.23	7.27	0.119	0.345	7.356	7.39	8.09	8.166
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.014	0.022	0.054	0.006	0.	0.016	0.007	0.008	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	30	35.7	35.543	36.8	33.6	0.714	0.845	33.78	35.15	36.2	36.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	29	0.3	0.324	0.8	0.01	0.032	0.178	0.1	0.2	0.4	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	29	10.3	10.131	14.	2.	8.236	2.87	7.	9.05	12.25	13.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.1	26.075	26.9	25.3	0.163	0.404	25.37	25.925	26.175	26.83
00032	CLOUD COVER (PERCENT)	16	30.	36.875	85.	5.	616.25	24.824	8.5	20.	57.5	78.
00035	WIND VELOCITY (MILES PER HOUR)	16	8.75	9.656	20.	3.	24.924	4.992	4.4	5.	14.375	16.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	10.365	10.204	14.3	5.	10.241	3.2	5.38	6.983	13.125	14.15
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53350.	46129.143	55100.	53.	381842026.44	19540.779	54.	52525.	54650.	55100.
00300	OXYGEN, DISSOLVED MG/L	16	6.6	6.688	7.7	6.2	0.173	0.416	6.27	6.4	6.875	7.49
00406	PH, FIELD, STANDARD UNITS SU	16	7.835	7.784	8.39	7.38	0.09	0.301	7.401	7.485	8.005	8.201
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.829	7.694	8.39	7.38	0.099	0.315	7.401	7.485	8.005	8.201
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.02	0.042	0.004	0.	0.013	0.007	0.01	0.033	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.3	35.42	36.5	33.1	0.853	0.924	33.94	35.	36.3	36.44
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.2	0.233	0.4	0.06	0.011	0.105	0.08	0.175	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	10.4	10.531	15.	5.	10.446	3.232	5.56	7.725	13.375	14.51

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.7	27.653	28.9	26.1	0.504	0.71	26.6	27.1	28.2	28.5
00032	CLOUD COVER (PERCENT)	18	32.5	36.944	100.	5.	559.232	23.648	5.	18.75	50.	73.
00035	WIND VELOCITY (MILES PER HOUR)	18	7.75	8.056	15.	1.	8.85	2.975	4.6	6.875	10.	10.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	10.86	10.947	18.	6.	8.196	2.863	6.054	9.563	12.35	14.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53950.	43947.625	56100.	52.	475556591.05	21807.26	53.4	51950.	54800.	55750.
00300	OXYGEN, DISSOLVED MG/L	19	6.6	6.621	7.3	6.	0.13	0.36	6.1	6.3	6.9	7.
00406	PH, FIELD, STANDARD UNITS SU	17	7.76	7.813	8.78	7.37	0.204	0.452	7.378	7.4	8.225	8.388
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.76	7.64	8.78	7.37	0.236	0.486	7.378	7.4	8.225	8.388
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.017	0.023	0.043	0.002	0.	0.017	0.004	0.006	0.04	0.042
00480	SALINITY - PARTS PER THOUSAND	16	35.8	35.725	37.2	34.	1.065	1.032	34.07	34.875	36.55	37.06
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.255	0.5	0.08	0.018	0.133	0.094	0.2	0.375	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	11.	11.289	18.	6.1	7.061	2.657	8.	9.8	12.5	14.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0029

NPS Station ID: VIIS0029
 Location: LITTLE LAMESHUR BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.319227/ -64.726365

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_LLAB20
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.2	28.153	30.5	25.7	1.606	1.267	26.37	27.1	29.225	29.8
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	64	30.	39.516	100.	5.	762.952	27.622	7.5	20.	50.	87.5
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	64	5.	5.883	15.	0.	10.339	3.215	2.5	5.	7.875	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	48	68.15	64.252	92.3	30.8	184.175	13.571	42.86	57.3	71.975	78.41
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	2.5	2.948	8.5	1.25	1.931	1.39	1.5	2.	3.96	4.88
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53800.	45861.4	56000.	51.	377605855.125	19432.083	55.	52350.	54675.	55200.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.7	6.702	8.3	5.7	0.214	0.462	6.1	6.5	6.9	7.2
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	59	7.79	7.784	8.78	7.26	0.127	0.356	7.37	7.4	8.09	8.23
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	59	7.79	7.657	8.78	7.26	0.144	0.379	7.37	7.4	8.09	8.23
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	59	0.016	0.022	0.055	0.002	0.	0.015	0.006	0.008	0.04	0.043
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.7	35.572	37.2	33.2	0.851	0.923	34.3	35.1	36.2	36.68
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.01	0.016	0.085	0.003	0.	0.022	0.003	0.005	0.015	0.065
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.001	0.	0.001	0.002	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.006	0.	0.	0.002	0.	0.001	0.003	0.005
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.007	0.001	0.	0.002	0.001	0.002	0.005	0.007
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.007	0.015	0.001	0.	0.005	0.001	0.003	0.012	0.015
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.4	0.453	1.4	0.1	0.074	0.272	0.2	0.3	0.5	0.9
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	2.5	2.9	8.5	1.3	1.891	1.375	1.5	2.	3.75	4.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0029

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	59	0	0.00	26	0	0.00	16	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	59	0	0.00	26	0	0.00	16	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	29	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	28.	27.922	29.8	26.1	1.632	1.277	26.1	26.65	29.1	29.8
00032	CLOUD COVER (PERCENT)	9	30.	45.444	99.	5.	1420.528	37.69	5.	7.5	80.	99.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	5.222	10.	2.	4.194	2.048	2.	5.	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	8	1.75	1.688	2.	1.25	0.121	0.347	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4	54000.	53950.	54200.	53600.	63333.333	251.661	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	9	6.7	6.522	7.4	5.8	0.324	0.57	5.8	5.95	7.	7.4
00406	PH, FIELD, STANDARD UNITS SU	9	7.84	7.944	8.28	7.73	0.04	0.2	7.73	7.8	8.16	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.84	7.908	8.28	7.73	0.042	0.204	7.73	7.8	8.16	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.014	0.012	0.019	0.005	0.	0.005	0.005	0.007	0.016	0.019
00480	SALINITY - PARTS PER THOUSAND	5	35.7	35.16	35.8	33.2	1.223	1.106	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	7	0.3	0.486	1.4	0.2	0.188	0.434	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	1.5	1.678	2.	1.3	0.099	0.315	1.3	1.4	2.	2.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	28.2	27.457	29.4	25.7	2.046	1.43	**	**	**	**
00032	CLOUD COVER (PERCENT)	7	30.	43.571	95.	20.	872.619	29.54	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	7	5.	5.	5.	5.	0.	0.	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	5	52.	54.24	68.5	39.8	119.803	10.945	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	2.	1.857	2.	1.5	0.06	0.244	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	7	52200.	52442.857	53700.	51100.	702857.143	838.366	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	7	6.7	6.657	6.9	6.4	0.026	0.162	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	7	7.4	7.51	7.91	7.26	0.058	0.241	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	7	7.4	7.461	7.91	7.26	0.061	0.246	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.04	0.035	0.055	0.012	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	7	34.3	34.543	35.4	33.6	0.363	0.602	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	6	0.45	0.517	1.	0.3	0.07	0.264	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	7	2.	1.857	2.	1.5	0.06	0.244	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.8	28.491	30.5	26.4	1.871	1.368	26.4	27.4	29.6	30.32
00032	CLOUD COVER (PERCENT)	9	50.	50.	80.	30.	275.	16.583	30.	35.	60.	80.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	7.222	15.	5.	13.194	3.632	5.	5.	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	11	64.3	60.718	77.7	35.	165.352	12.859	36.64	49.	69.	76.16
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	2.	2.068	3.	1.5	0.251	0.501	1.5	1.5	2.5	2.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54100.	54163.636	55200.	53300.	362545.455	602.117	53360.	53600.	54700.	55120.
00300	OXYGEN, DISSOLVED MG/L	11	6.7	6.745	7.2	6.2	0.065	0.254	6.28	6.6	6.9	7.16
00406	PH, FIELD, STANDARD UNITS SU	11	7.38	7.384	7.43	7.34	0.001	0.03	7.342	7.35	7.41	7.426
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.38	7.383	7.43	7.34	0.001	0.03	7.342	7.35	7.41	7.426
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.042	0.041	0.046	0.037	0.	0.003	0.038	0.039	0.045	0.046
00480	SALINITY - PARTS PER THOUSAND	11	35.8	35.855	36.6	35.1	0.213	0.461	35.16	35.5	36.3	36.54
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.389	0.8	0.2	0.029	0.169	0.2	0.3	0.4	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	11	2.	2.073	3.	1.5	0.248	0.498	1.5	1.5	2.5	2.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	28.4	28.21	29.8	26.5	1.55	1.245	26.53	27.025	29.3	29.78
00032	CLOUD COVER (PERCENT)	10	37.5	40.5	90.	15.	530.278	23.028	15.5	20.	53.75	87.5
00035	WIND VELOCITY (MILES PER HOUR)	10	5.	6.4	12.5	2.5	8.489	2.914	2.75	5.	8.125	12.25
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	64.25	57.6	72.	30.8	239.651	15.481	31.15	42.325	69.5	71.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	2.6	2.633	3.33	2.	0.263	0.512	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600.	53966.667	56000.	51200.	2485000.	1576.388	51200.	52700.	55200.	56000.
00300	OXYGEN, DISSOLVED MG/L	10	6.75	6.85	8.	6.1	0.372	0.61	6.1	6.4	7.3	7.96
00406	PH, FIELD, STANDARD UNITS SU	10	7.48	7.549	7.88	7.36	0.036	0.189	7.363	7.39	7.745	7.871
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.48	7.516	7.88	7.36	0.037	0.192	7.363	7.39	7.745	7.871
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.033	0.03	0.044	0.013	0.	0.011	0.013	0.018	0.041	0.043
00480	SALINITY - PARTS PER THOUSAND	9	36.2	35.678	37.2	33.6	1.417	1.19	33.6	34.7	36.6	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.6	0.622	1.2	0.3	0.094	0.307	0.3	0.35	0.85	1.2
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	2.5	2.49	3.3	2.	0.239	0.489	2.	2.	3.	3.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.1	28.245	30.3	26.4	1.381	1.175	26.5	27.1	29.2	30.14
00032	CLOUD COVER (PERCENT)	11	40.	39.091	70.	15.	229.091	15.136	17.	25.	50.	66.
00035	WIND VELOCITY (MILES PER HOUR)	11	3.	3.864	10.	0.5	8.205	2.864	0.5	2.5	5.	9.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	77.75	73.68	92.3	47.6	166.388	12.899	48.84	65.25	80.45	91.67
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	3.275	3.767	8.5	2.12	3.074	1.753	2.183	2.938	4.	8.05
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54400.	54190.909	55100.	52300.	684909.091	827.592	52500.	53800.	55000.	55080.
00300	OXYGEN, DISSOLVED MG/L	11	6.7	6.845	8.3	6.	0.389	0.623	6.08	6.5	6.9	8.16
00406	PH, FIELD, STANDARD UNITS SU	5	8.01	7.944	8.13	7.75	0.029	0.169	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	5	8.01	7.917	8.13	7.75	0.03	0.172	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	5	0.01	0.012	0.018	0.007	0.	0.005	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	35.9	35.827	36.6	34.5	0.374	0.612	34.64	35.5	36.4	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.4	0.45	1.1	0.2	0.076	0.276	0.2	0.2	0.55	1.06
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.3	3.78	8.5	2.1	3.06	1.749	2.17	2.95	4.	8.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	28.1	28.244	30.1	26.1	2.268	1.506	26.1	26.8	29.65	30.1
00032	CLOUD COVER (PERCENT)	9	15.	26.111	100.	5.	848.611	29.131	5.	10.	30.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	8.	7.222	15.	3.	14.444	3.801	3.	4.	9.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	74.3	74.133	76.2	71.9	4.643	2.155	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	4.88	4.572	5.18	3.96	0.28	0.529	3.96	3.96	5.03	5.18
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54800.	54522.222	55400.	53200.	786944.444	887.099	53200.	53550.	55300.	55400.
00300	OXYGEN, DISSOLVED MG/L	9	6.4	6.344	6.6	5.7	0.078	0.279	5.7	6.25	6.5	6.6
00406	PH, FIELD, STANDARD UNITS SU	9	8.05	8.083	8.3	7.96	0.016	0.125	7.96	7.98	8.195	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	8.05	8.068	8.3	7.96	0.016	0.126	7.96	7.98	8.195	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.009	0.009	0.011	0.005	0.	0.002	0.005	0.006	0.01	0.011
00480	SALINITY - PARTS PER THOUSAND	9	36.2	36.1	36.8	35.1	0.495	0.704	35.1	35.3	36.75	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.3	0.5	0.1	0.015	0.122	0.1	0.2	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.9	4.6	5.2	4.	0.27	0.52	4.	4.	5.05	5.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.5	28.244	29.8	26.8	1.13	1.063	26.8	27.1	29.15	29.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	32.778	100.	5.	1494.444	38.658	5.	7.5	62.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.444	12.	0.	18.278	4.275	0.	3.	10.	12.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	9	68.9	67.756	76.	48.7	60.815	7.798	48.7	66.5	72.5	76.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.03	3.706	5.45	1.97	1.852	1.361	1.97	2.61	5.15	5.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.778	56.	51.	2.694	1.641	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.9	6.878	7.2	6.5	0.054	0.233	6.5	6.65	7.05	7.2
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.16	8.25	8.78	8.08	0.055	0.235	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.16	8.208	8.78	8.08	0.057	0.239	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.006	0.008	0.002	0.	0.002	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.7	35.311	36.9	33.5	1.221	1.105	33.5	34.4	36.1	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.433	0.9	0.2	0.06	0.245	0.2	0.3	0.6	0.9
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	3.722	5.5	2.	1.927	1.388	2.	2.6	5.2	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.2	28.971	30.5	27.1	0.778	0.882	27.72	28.1	29.6	30.04
00032	CLOUD COVER (PERCENT)	29	40.	41.517	100.	5.	962.116	31.018	5.	15.	67.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	29	5.	5.552	12.5	0.	9.47	3.077	1.	4.	8.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.	3.114	5.45	1.5	1.545	1.243	1.97	2.	3.96	5.18
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53900.	46680.467	55400.	51.	347038359.085	18628.966	55.	52425.	54425.	55160.
00300	OXYGEN, DISSOLVED MG/L	31	6.6	6.532	7.4	5.7	0.161	0.401	5.92	6.2	6.8	6.98
00406	PH, FIELD, STANDARD UNITS SU	26	7.8	7.75	8.23	7.26	0.104	0.322	7.347	7.378	8.063	8.149
00406	CONVERTED PH, FIELD, STANDARD UNITS	26	7.8	7.639	8.23	7.26	0.116	0.341	7.347	7.378	8.063	8.149
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	26	0.016	0.023	0.055	0.006	0.	0.016	0.007	0.009	0.042	0.045
00480	SALINITY - PARTS PER THOUSAND	30	35.7	35.537	36.8	33.5	0.763	0.874	33.67	35.275	36.125	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	29	0.4	0.517	1.4	0.2	0.117	0.342	0.2	0.25	0.75	1.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.	3.073	5.5	1.5	1.613	1.27	1.55	2.	4.	5.17

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.4	26.475	27.1	25.7	0.174	0.417	25.98	26.125	26.875	27.1
00032	CLOUD COVER (PERCENT)	16	30.	36.875	95.	5.	639.583	25.29	8.5	20.	47.5	81.
00035	WIND VELOCITY (MILES PER HOUR)	16	5.	6.875	15.	2.5	17.55	4.189	2.85	3.5	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	2.06	3.014	8.5	1.5	3.785	1.946	1.5	1.875	4.068	6.84
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53300.	46136.286	55100.	53.	381962292.374	19543.856	54.	52525.	54725.	55050.
00300	OXYGEN, DISSOLVED MG/L	16	6.9	7.006	8.3	6.5	0.229	0.478	6.5	6.7	7.175	7.81
00406	PH, FIELD, STANDARD UNITS SU	16	7.845	7.814	8.38	7.39	0.092	0.304	7.404	7.485	8.04	8.219
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.84	7.719	8.38	7.39	0.102	0.319	7.404	7.485	8.04	8.219
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.014	0.019	0.041	0.004	0.	0.013	0.006	0.009	0.033	0.039
00480	SALINITY - PARTS PER THOUSAND	15	35.1	35.4	36.6	33.2	0.831	0.912	33.98	34.9	36.2	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.4	0.414	0.6	0.1	0.018	0.135	0.2	0.3	0.5	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	2.	2.888	8.5	1.5	3.414	1.848	1.5	2.	3.7	6.19

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.4	28.232	29.8	26.8	0.696	0.834	26.9	27.5	28.8	29.3
00032	CLOUD COVER (PERCENT)	19	30.	38.684	100.	5.	627.339	25.047	15.	20.	50.	85.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	5.553	10.	0.5	5.664	2.38	2.5	5.	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	2.5	2.63	4.88	1.25	1.22	1.104	1.25	1.688	3.263	4.583
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53950.	44085.125	56000.	52.	478497121.05	21874.577	53.4	52125.	55150.	55790.
00300	OXYGEN, DISSOLVED MG/L	19	6.7	6.721	8.	6.	0.181	0.425	6.2	6.5	6.9	7.2
00406	PH, FIELD, STANDARD UNITS SU	17	7.78	7.808	8.78	7.36	0.209	0.457	7.368	7.395	8.21	8.396
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.78	7.63	8.78	7.36	0.242	0.492	7.368	7.395	8.21	8.396
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.017	0.023	0.044	0.002	0.	0.017	0.004	0.006	0.04	0.043
00480	SALINITY - PARTS PER THOUSAND	16	35.8	35.8	37.2	33.9	1.067	1.033	34.18	35.05	36.75	37.06
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.35	0.369	1.	0.2	0.034	0.185	0.2	0.3	0.4	0.58
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	2.5	2.637	4.9	1.3	1.155	1.075	1.3	1.8	3.	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0030

NPS Station ID: VIIS0030	LAT/LON: 18.321392/ -64.727226	Agency: 21V1	Date Created: 11/02/78
Location: LITTLE LAMESHUR BAY		FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN	
Station Type: /TYP/A/AMBNT/OCEAN		STORET Station ID(s): 50 /STJ50	
RMI-Indexes:		Within Park Boundary: Yes	
RMI-Miles:			
HUC:		Aquifer:	
Major Basin: ST JOHN - 100 FT OFF	Depth of Water: 0	Water Body Id:	
Minor Basin: PARK BEACH DEPTH 3/3.5 METERS	Elevation: 0	ECO Region:	
RF1 Index:	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00	On/Off RF3:
Description:			

Parameter Inventory for Station: VIIS0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	36	28.	27.806	30.	24.4	2.216	1.489	25.49	26.925	29.	29.38
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/27/73-10/02/79	29	0.5	0.569	1.1	0.2	0.061	0.247	0.3	0.4	0.7	1.
00078p TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	35	3.	2.057	3.5	0.	2.703	1.644	0.	0.	3.5	3.5
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	15	6.5	6.66	8.4	5.7	0.46	0.678	5.94	6.2	6.8	7.98
00300 OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	21	6.5	6.557	9.	5.9	0.415	0.644	6.02	6.2	6.75	7.12
00400 PH (STANDARD UNITS)	01/03/73-10/02/79	28	8.2	8.195	8.4	8.	0.009	0.095	8.	8.15	8.25	8.3
00400 CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	28	8.2	8.184	8.4	8.	0.009	0.095	8.	8.15	8.25	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	28	0.006	0.007	0.01	0.004	0.	0.002	0.005	0.006	0.007	0.01
00480p SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	32	35.6	35.703	39.	32.3	1.58	1.257	34.45	35.	36.275	37.47
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-01/23/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/85-01/23/86	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/85-01/23/86	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/20/85-01/23/86	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
31613p FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/11/73-09/30/86	36	0.	0.292	4.	0.	0.563	0.75	0.	0.	0.5	0.65
31613p LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	03/11/73-09/30/86	36	0.	-0.033	0.602	-0.301	0.03	0.173	0.	0.	-0.301	-0.211
31613p GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.926								
82079 TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-09/30/86	9	0.5	0.422	1.	0.05	0.081	0.285	0.05	0.175	0.5	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

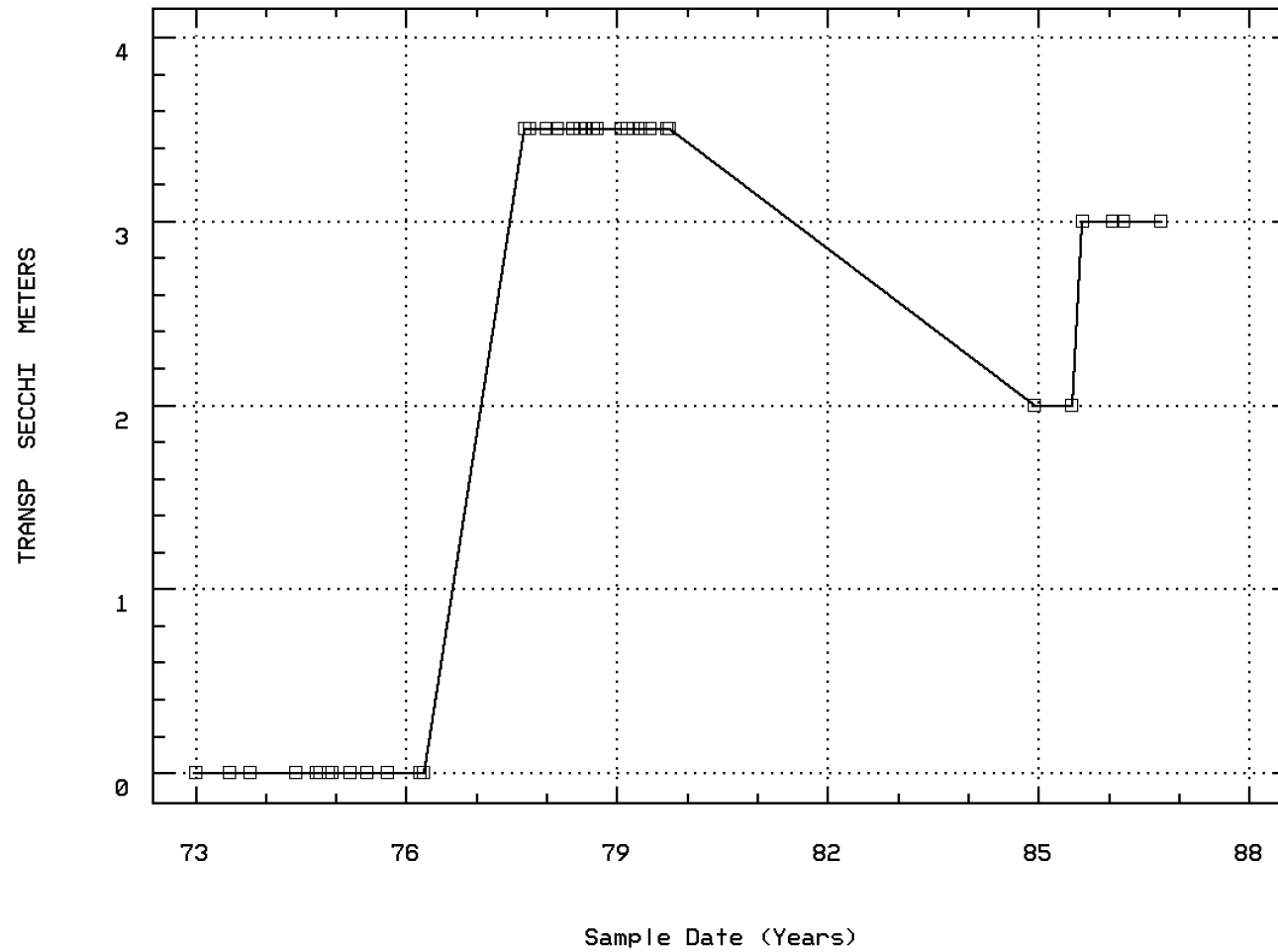
EPA Water Quality Criteria Analysis for Station: VIIS0030

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	29	0	0.00	14	0	0.00	5	0	0.00	10	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	15	0	0.00	7	0	0.00	3	0	0.00	5	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	10	0	0.00	4	0	0.00	7	0	0.00			
00400 PH	Other-Hi Lim.	9.	28	0	0.00	12	0	0.00	6	0	0.00	10	0	0.00			
	Other-Lo Lim.	6.5	28	0	0.00	12	0	0.00	6	0	0.00	10	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	36	0	0.00	16	0	0.00	8	0	0.00	12	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0030 Parameter Code: 00078

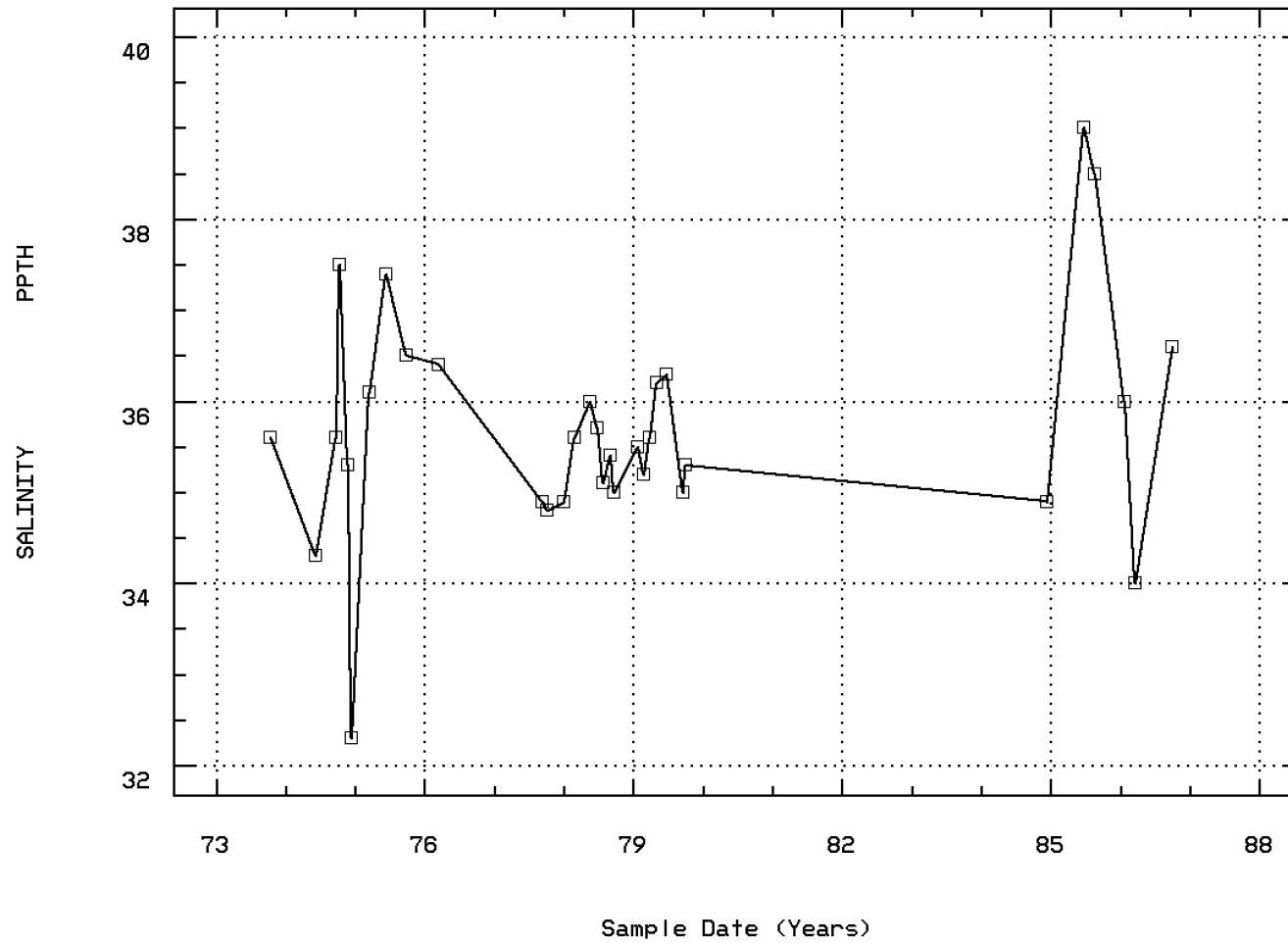
TRANSPARENCY, SECCHI DISC (METERS)



LITTLE LAMESHUR BAY

Station: VIIS0030 Parameter Code: 00480

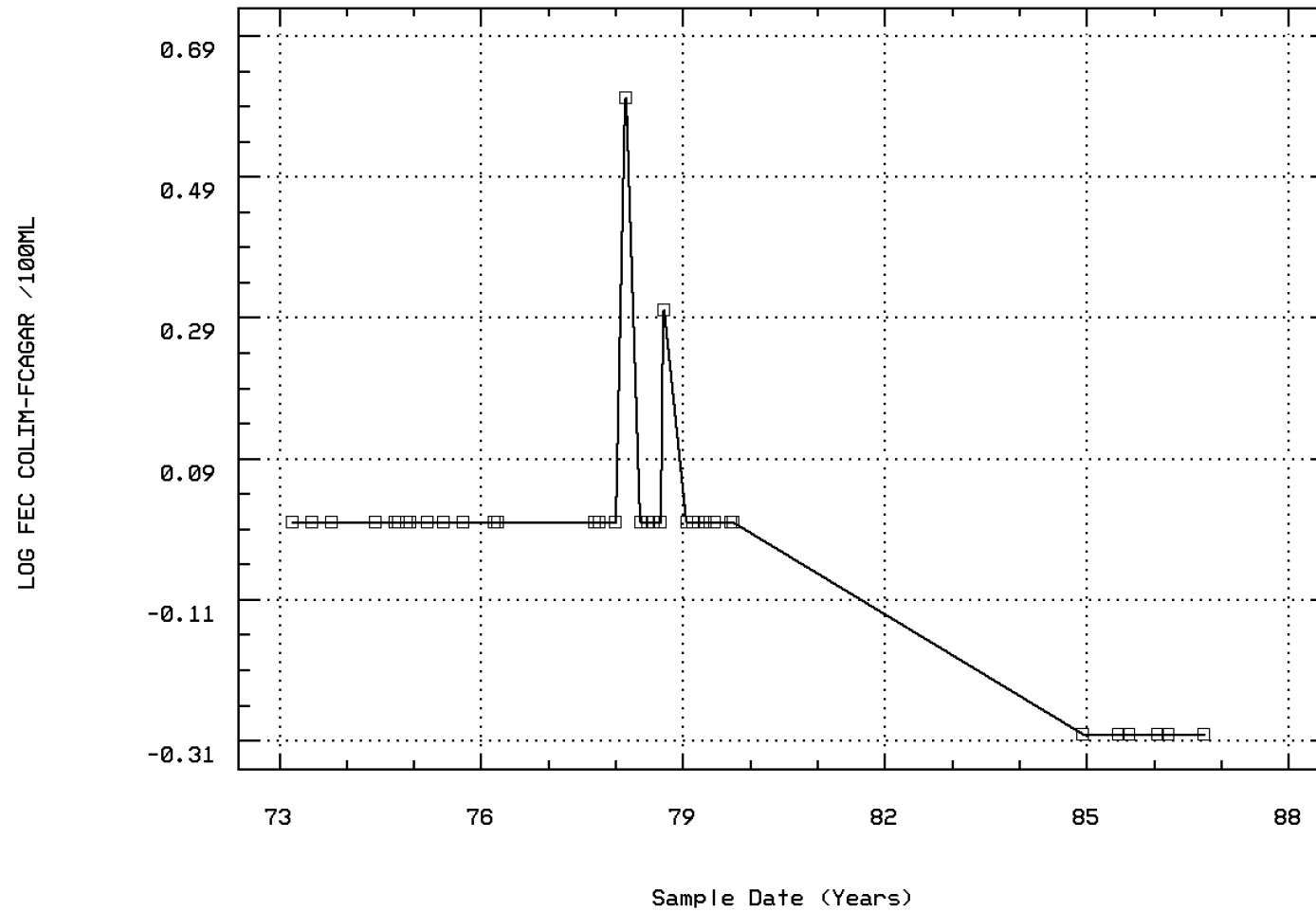
SALINITY - PARTS PER THOUSAND



LITTLE LAMESHUR BAY

Station: VIIS0030 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



LITTLE LAMESHUR BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	17	28.9	28.506	29.8	25.7	1.052	1.026	26.74	28.25	29.	29.32
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/27/73-10/02/79	14	0.5	0.493	1.1	0.2	0.055	0.234	0.2	0.3	0.55	0.9
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	16	3.	2.031	3.5	0.	2.782	1.668	0.	0.	3.5	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	10	6.35	6.59	9.	6.1	0.748	0.865	6.1	6.175	6.525	8.76
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	12	8.2	8.221	8.3	8.15	0.003	0.058	8.15	8.163	8.288	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	12	8.2	8.217	8.3	8.15	0.003	0.058	8.15	8.162	8.288	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	12	0.006	0.006	0.007	0.005	0.	0.001	0.005	0.005	0.007	0.007
00480p	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	16	35.3	35.519	38.5	32.3	1.828	1.352	34.05	34.925	36.275	37.8
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/11/73-09/30/86	16	0.	0.219	2.	0.	0.266	0.515	0.	0.	0.375	0.95
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	03/11/73-09/30/86	16	0.	-0.038	0.301	-0.301	0.023	0.151	0.	0.	-0.226	-0.12
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.917								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	7	26.7	26.414	27.	25.	0.531	0.729	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/27/73-10/02/79	5	0.7	0.66	1.	0.3	0.073	0.27	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	7	3.5	2.429	3.5	0.	2.786	1.669	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	4	6.65	6.6	6.8	6.3	0.06	0.245	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	6	8.225	8.158	8.25	8.	0.015	0.124	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	6	8.224	8.143	8.25	8.	0.016	0.125	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	6	0.006	0.007	0.01	0.006	0.	0.002	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	6	35.55	35.55	36.1	34.9	0.211	0.459	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/11/73-09/30/86	8	0.	0.625	4.	0.	1.911	1.382	**	**	**	**
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	03/11/73-09/30/86	8	0.	0.	0.602	-0.301	0.078	0.279	**	**	**	**
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

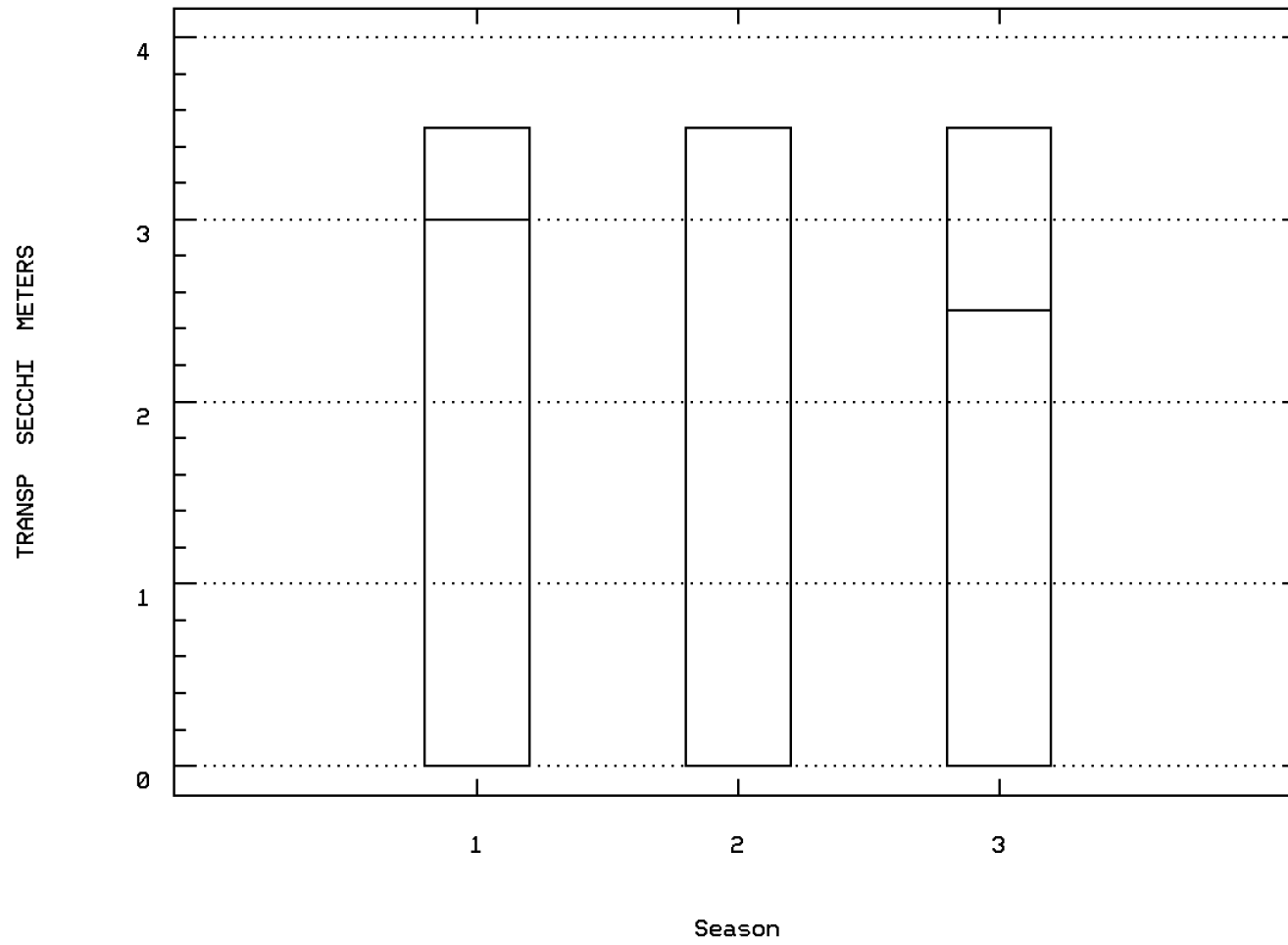
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	12	28.	27.625	30.	24.4	3.206	1.79	24.49	26.625	28.9	30.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/27/73-10/02/79	10	0.55	0.63	1.1	0.3	0.06	0.245	0.31	0.475	0.825	1.08
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	12	2.5	1.875	3.5	0.	2.915	1.707	0.	0.	3.5	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	7	6.6	6.486	7.2	5.9	0.221	0.471	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	10	8.2	8.185	8.4	8.	0.012	0.111	8.01	8.1	8.225	8.39
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	10	8.2	8.173	8.4	8.	0.012	0.111	8.01	8.1	8.225	8.39
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	10	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.006	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	10/11/73-09/30/86	10	36.1	36.09	39.	34.	2.034	1.426	34.03	35.275	36.65	38.84
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/11/73-09/30/86	12	0.	0.167	1.	0.	0.106	0.326	0.	0.	0.375	0.85
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	03/11/73-09/30/86	12	0.	-0.05	0.	-0.301	0.014	0.117	0.	0.	-0.226	-0.09
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.891								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0030 Parameter Code: 00078

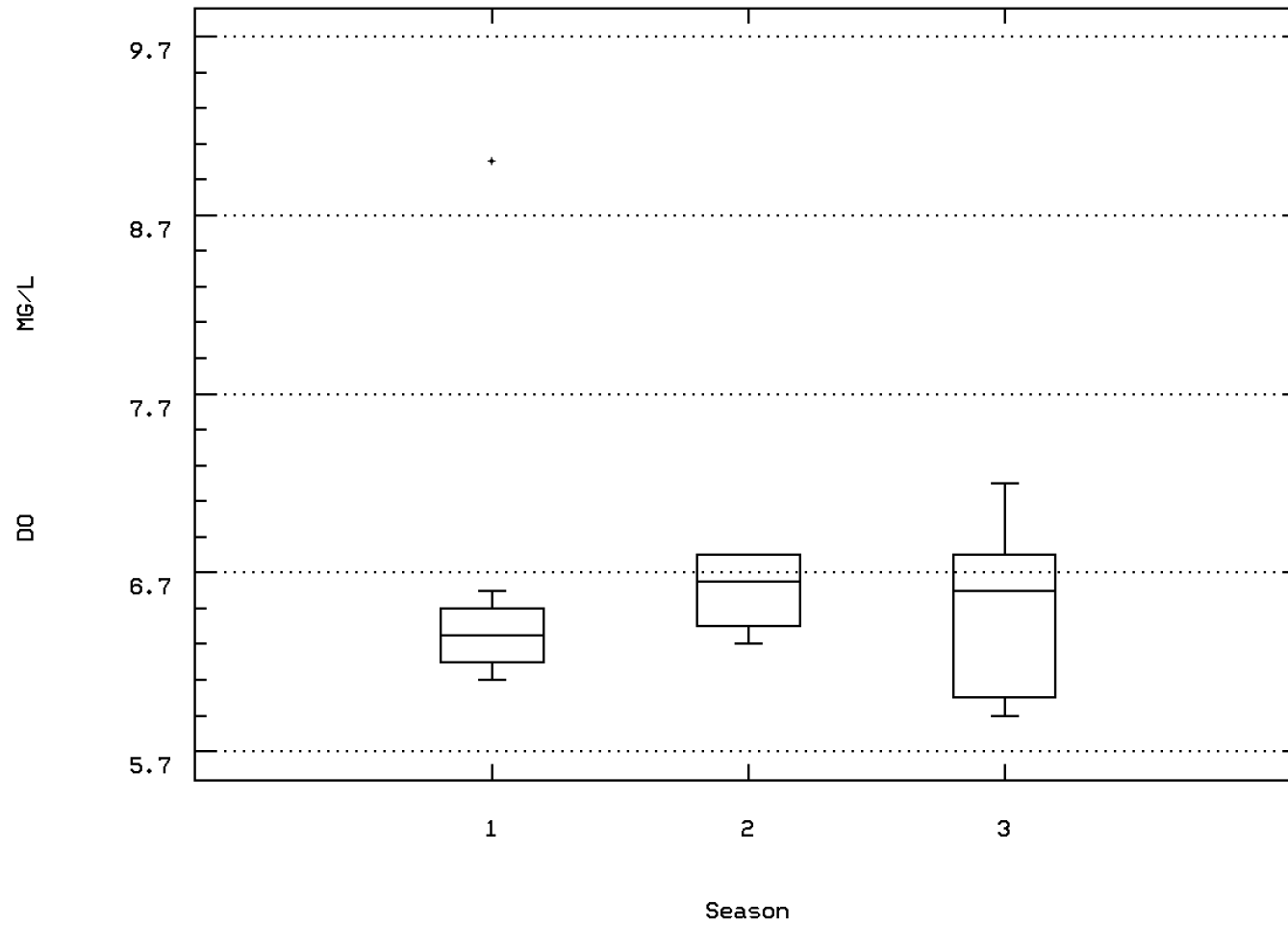
TRANSPARENCY, SECCHI DISC (METERS)



LITTLE LAMESHUR BAY

Station: VIIS0030 Parameter Code: 00300

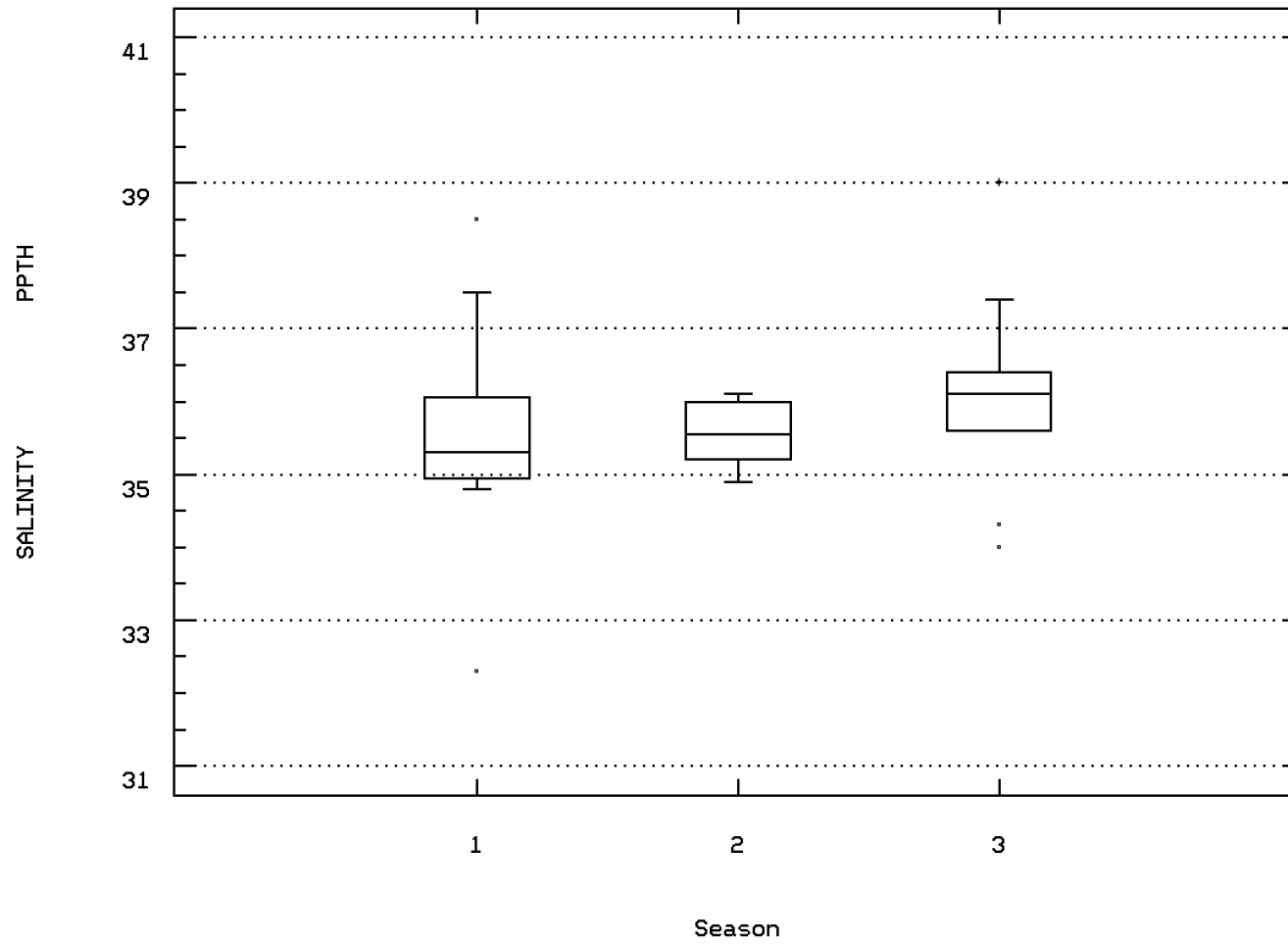
OXYGEN, DISSOLVED



LITTLE LAMESHUR BAY

Station: VIIS0030 Parameter Code: 00480

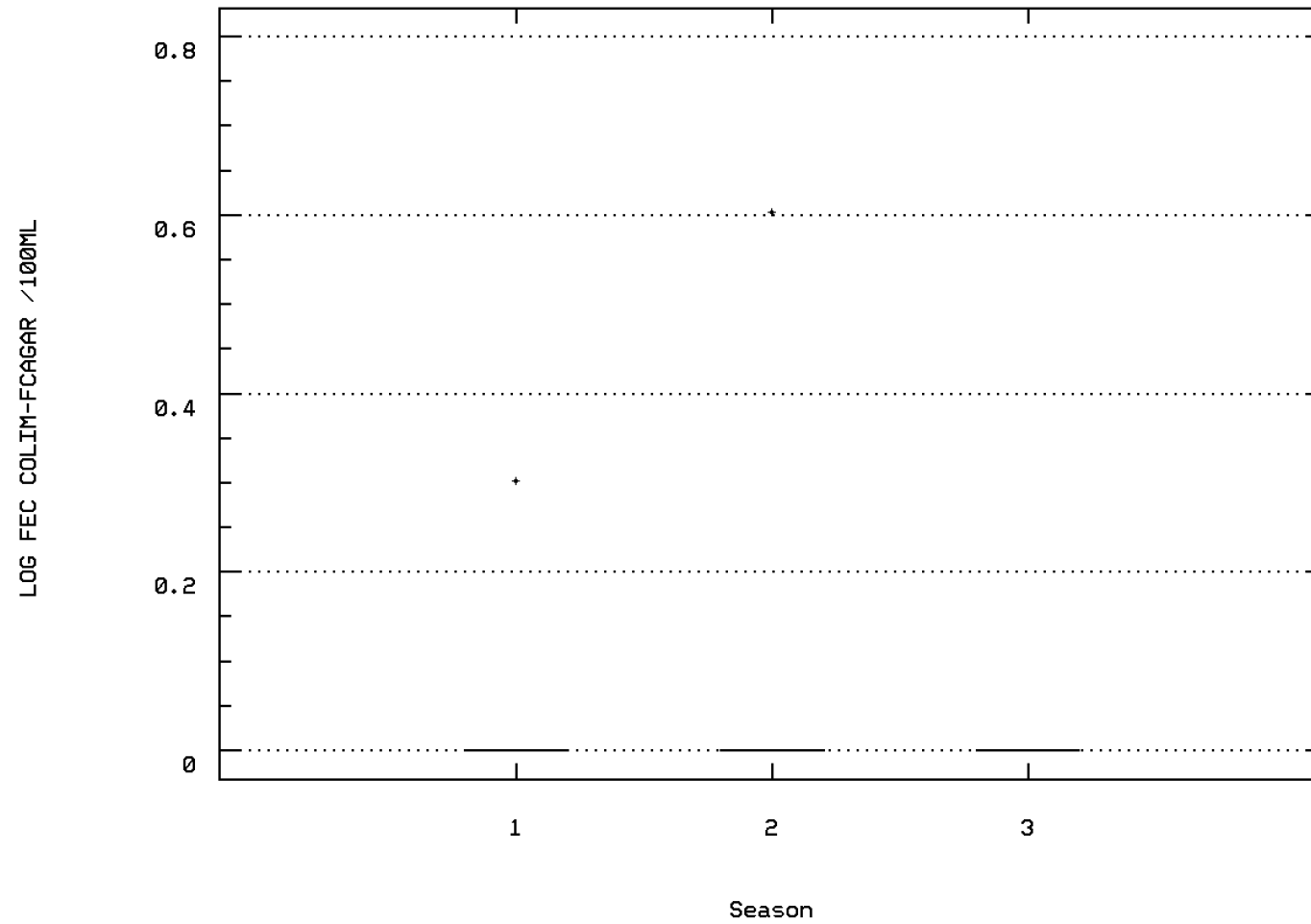
SALINITY - PARTS PER THOUSAND



LITTLE LAMESHUR BAY

Station: VIIS0030 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



LITTLE LAMESHUR BAY

Station Inventory for Station: VIIS0031

NPS Station ID: VIIS0031
 Location: LITTLE LAMESHUR BAY 100 F OFF PARK BEACH 3/3.5 M
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.321392/ -64.727226

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-50
 Within Park Boundary: Yes

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-11/09/79	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-11/09/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-11/09/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	11/09/79-11/09/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	11/09/79-11/09/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/79-11/09/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/09/79-11/09/79	1	34.3	34.3	34.3	34.3	0.	0.	**	**	**	**
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/09/79-11/09/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/09/79-11/09/79	1 ##	-0.301	-0.301	-0.301	-0.301	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =		0.5	0.5								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-11/09/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0031

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00	1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0032

NPS Station ID: VIIS0032
 Location: LITTLE LAMESHUR BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.320559/ -64.727505

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-61 /STJ-11 /STJ50(VIHD)
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	29.1	29.5	28.8	0.13	0.361	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.6	6.575	7.3	5.8	0.482	0.695	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	34.05	34.05	34.9	33.2	1.445	1.202	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	25.	25.	47.	3.	968.	31.113	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.215	0.215	0.42	0.01	0.084	0.29	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.019	0.019	0.022	0.015	0.	0.005	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.	3.	3.1	2.9	0.02	0.141	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	1.5	1.5	3.	0.	3.	1.732	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.239	0.239	0.477	0.	0.076	0.275	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.732								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0032

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4 0 0.00	4 0 0.00		
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2 0 0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2 0 0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0033

NPS Station ID: VIIS0033	LAT/LON: 18.323059/ -64.730004	Agency: 21V1	Date Created: 11/02/78
Location: WATER ISLE-SPRAT BAY		FIPS State/County: 78005 VIRGIN ISLANDS/ST. THOMAS	
Station Type: /TYPA/AMBNT/OCEAN		STORET Station ID(s): 42 /ST-42 /ST42	
RMI-Indexes:		Within Park Boundary: Yes	
RMI-Miles:			
HUC: 21020001	Depth of Water: 0	Aquifer:	
Major Basin: ST. THOMAS-100 FT OFF	Elevation: 0	Water Body Id:	
Minor Basin: CENTER BEACH-DEPTH 3/4 METERS		ECO Region:	
RF1 Index: 21020001	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00	On/Off RF3:
Description:			

Parameter Inventory for Station: VIIS0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/19/85	56	27.9	27.588	30.1	24.6	2.089	1.446	25.27	26.2	28.7	29.13
00032 CLOUD COVER (PERCENT)	10/22/79-11/05/80	10	12.	26.8	100.	10.	771.511	27.776	10.	11.5	35.	93.5
00035 WIND VELOCITY (MILES PER HOUR)	10/22/79-11/05/80	10	11.	10.4	13.	5.	8.711	2.951	5.3	8.	13.	13.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/30/72-09/24/79	40	0.5	0.66	1.9	0.2	0.141	0.376	0.21	0.4	0.9	1.1
00078p TRANSPARENCY, SECCHI DISC (METERS)	11/30/72-12/19/85	56	1.95	1.795	5.	0.	2.738	1.655	0.	0.	3.75	4.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/26/77-11/05/80	23	6.7	6.822	8.8	4.8	0.711	0.843	5.96	6.3	7.4	8.08
00300p OXYGEN, DISSOLVED MG/L	01/23/69-12/19/85	33	6.9	6.967	8.1	5.2	0.381	0.617	6.22	6.55	7.45	7.8
00400 PH (STANDARD UNITS)	11/30/72-11/05/80	51	8.2	8.205	8.55	7.9	0.018	0.135	8.	8.1	8.3	8.4
00400 CONVERTED PH (STANDARD UNITS)	11/30/72-11/05/80	51	8.2	8.185	8.55	7.9	0.019	0.136	8.	8.1	8.3	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/72-11/05/80	51	0.006	0.007	0.013	0.003	0.	0.002	0.004	0.005	0.008	0.01
00480p SALINITY - PARTS PER THOUSAND	11/30/72-12/19/85	52	35.7	35.74	38.5	34.2	0.702	0.838	34.63	35.125	36.275	36.67
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/85-08/15/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/85-08/15/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/15/85-08/15/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
31613p FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/19/85	58	0.	0.284	6.	0.	0.703	0.838	0.	0.	0.5	0.5
31613p LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/19/85	58	0.	-0.059	0.778	-0.301	0.032	0.18	0.	0.	-0.301	-0.301
31613p GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.872								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-01/23/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-01/23/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
82079 TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/22/79-12/19/85	18	0.65	0.688	1.5	0.03	0.163	0.403	0.057	0.475	0.925	1.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

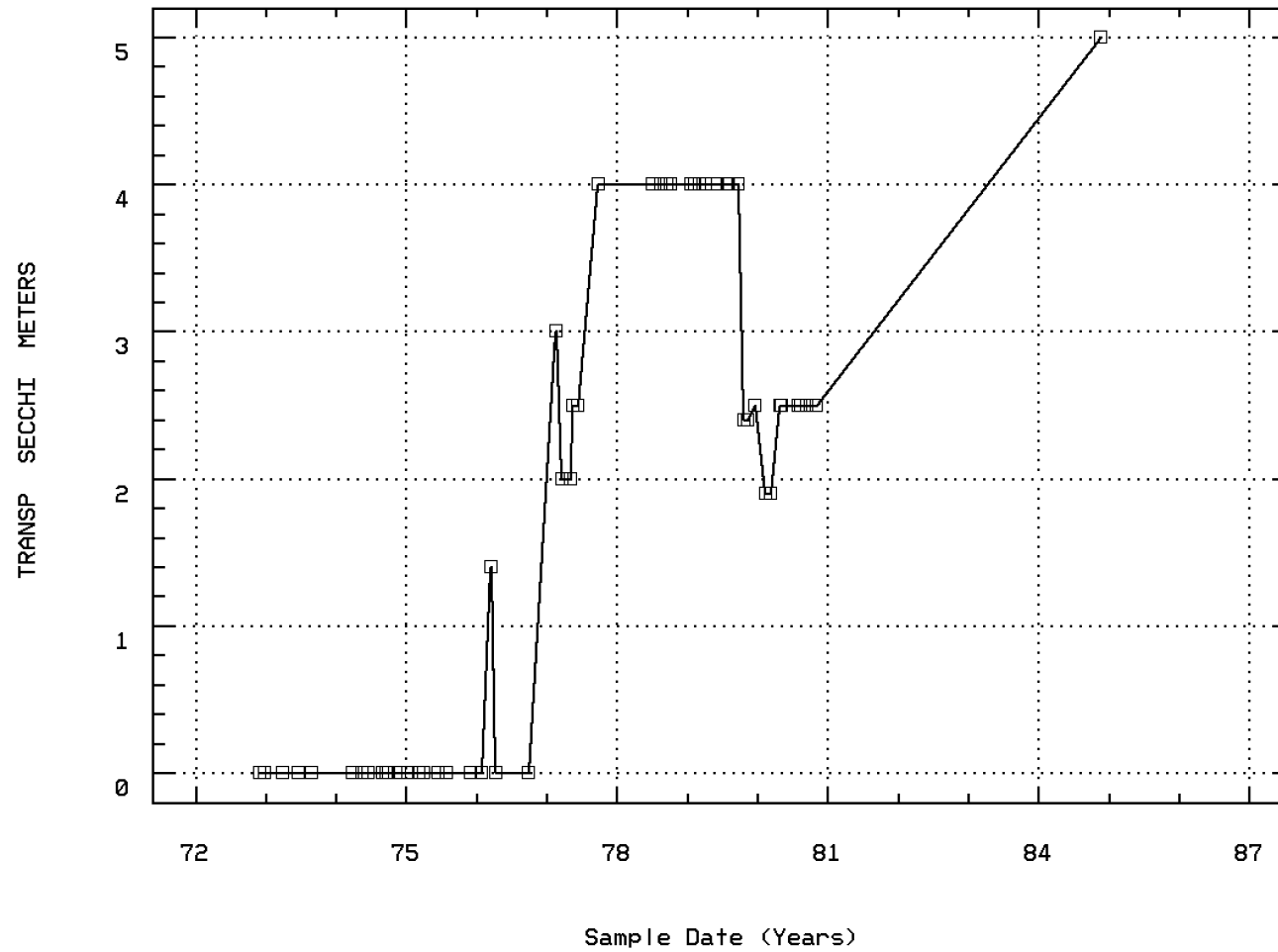
EPA Water Quality Criteria Analysis for Station: VIIS0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	40	0	0.00	16	0	0.00	9	0	0.00	15	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	13	0	0.00	6	0	0.00	4	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	33	0	0.00	10	0	0.00	9	0	0.00	14	0	0.00			
00400 PH	Other-Hi Lim.	9.	51	0	0.00	23	0	0.00	11	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	51	0	0.00	23	0	0.00	11	0	0.00	17	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	58	0	0.00	25	0	0.00	15	0	0.00	18	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	18	0	0.00	9	0	0.00	6	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0033 Parameter Code: 00078

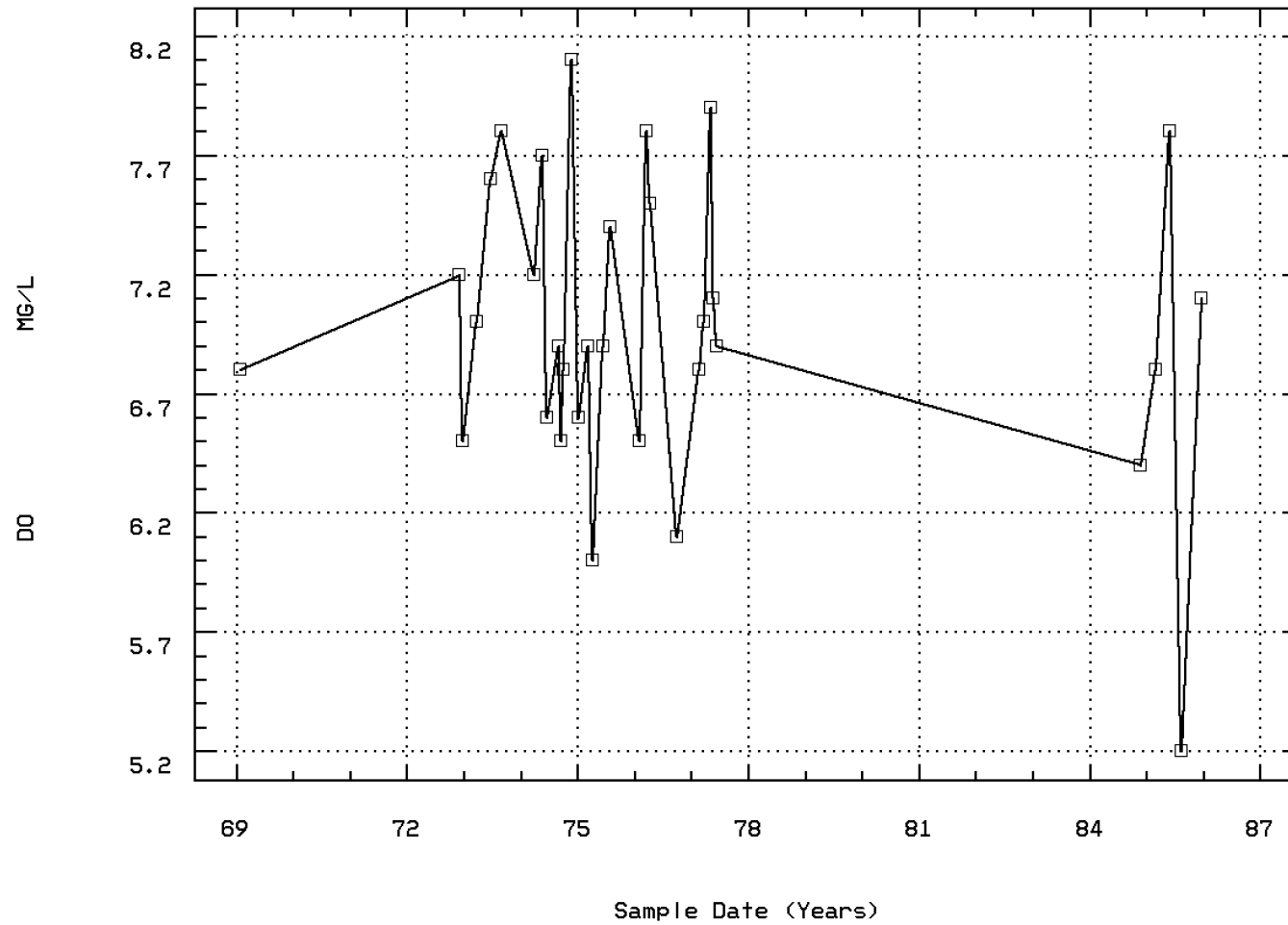
TRANSPARENCY, SECCHI DISC (METERS)



WATER ISLE-SPRAT BAY

Station: VIIS0033 Parameter Code: 00300

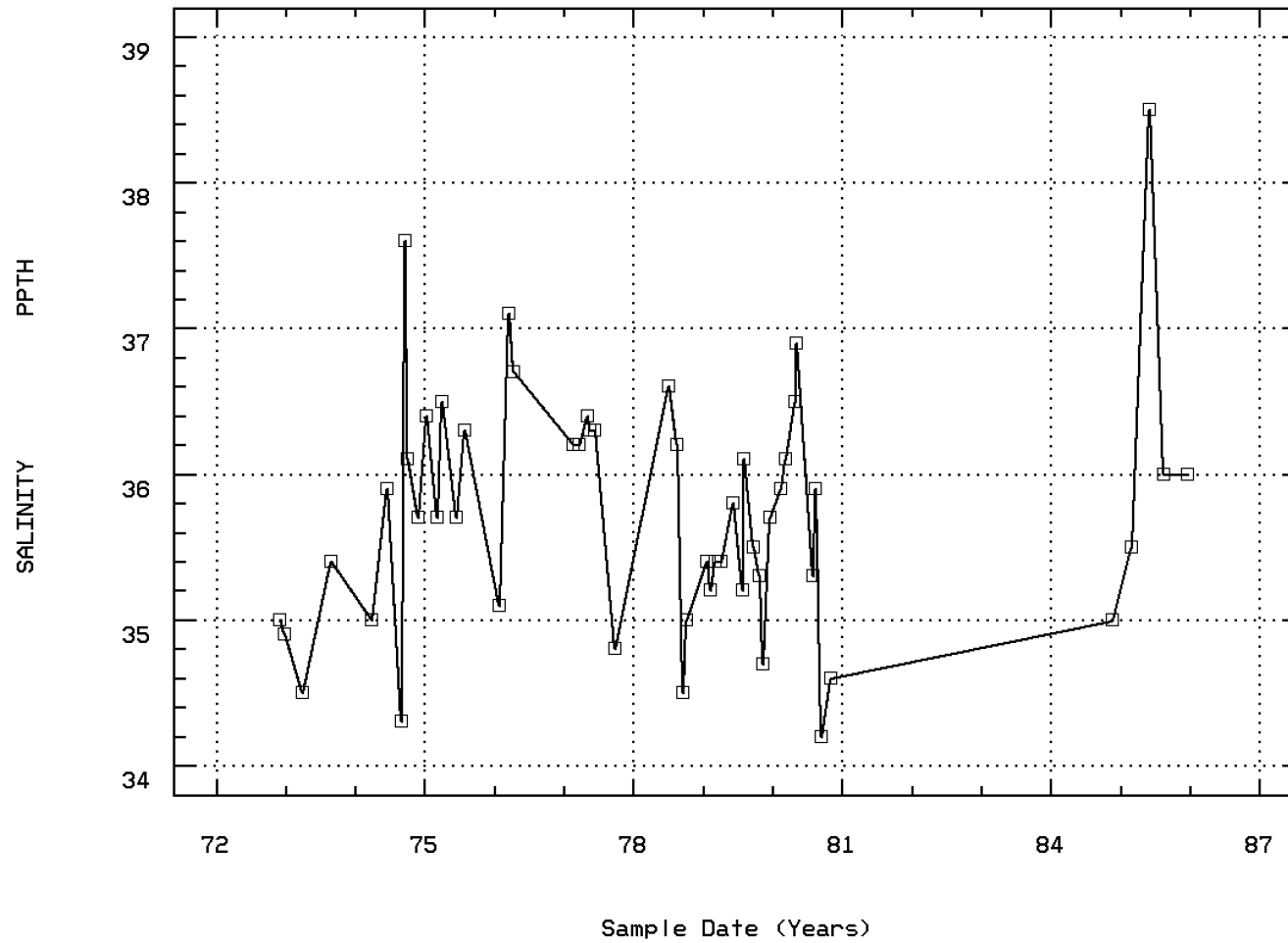
OXYGEN, DISSOLVED



WATER ISLE-SPRAT BAY

Station: VIIS0033 Parameter Code: 00480

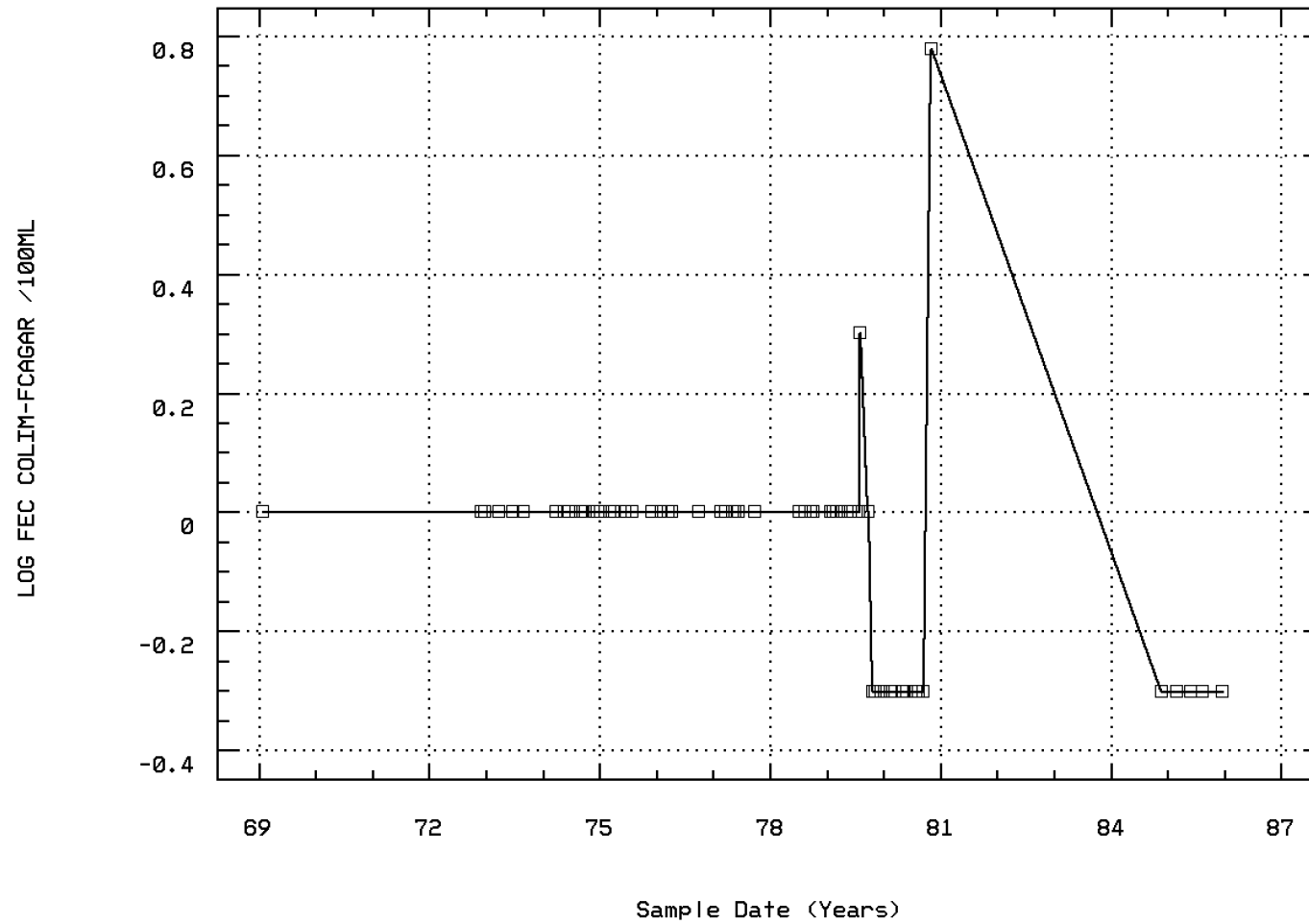
SALINITY - PARTS PER THOUSAND



WATER ISLE-SPRAT BAY

Station: VIIS0033 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



WATER ISLE-SPRAT BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/19/85	23	28.8	28.743	30.1	27.6	0.437	0.661	27.84	28.3	29.	29.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/30/72-09/24/79	16	0.7	0.806	1.9	0.3	0.199	0.446	0.37	0.5	1.	1.62
00078p	TRANSPARENCY, SECCHI DISC (METERS)	11/30/72-12/19/85	25	2.5	2.112	5.	0.	3.292	1.814	0.	0.	4.	4.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-12/19/85	10	6.85	6.84	8.1	5.2	0.723	0.85	5.29	6.325	7.5	8.07
00400	PH (STANDARD UNITS)	11/30/72-11/05/80	23	8.2	8.165	8.4	7.9	0.017	0.13	8.	8.1	8.3	8.36
00400	CONVERTED PH (STANDARD UNITS)	11/30/72-11/05/80	23	8.2	8.147	8.4	7.9	0.017	0.131	8.	8.1	8.3	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/72-11/05/80	23	0.006	0.007	0.013	0.004	0.	0.002	0.004	0.005	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	11/30/72-12/19/85	23	35.3	35.448	37.6	34.2	0.675	0.822	34.38	34.8	36.1	36.48
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/19/85	25	0.	0.5	6.	0.	1.521	1.233	0.	0.	0.5	1.4
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/19/85	25	0.	-0.041	0.778	-0.301	0.054	0.232	0.	0.	-0.301	0.12
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.91								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/19/85	15	26.	26.253	27.9	24.6	1.203	1.097	24.72	25.3	27.3	27.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/30/72-09/24/79	9	0.4	0.489	1.1	0.2	0.106	0.326	0.2	0.2	0.75	1.1
00078p	TRANSPARENCY, SECCHI DISC (METERS)	11/30/72-12/19/85	13	1.9	1.792	4.	0.	2.559	1.6	0.	0.	3.5	4.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-12/19/85	9	6.8	6.722	7.1	6.5	0.044	0.211	6.5	6.5	6.85	7.1
00400	PH (STANDARD UNITS)	11/30/72-11/05/80	11	8.2	8.191	8.4	8.	0.013	0.114	8.02	8.1	8.3	8.38
00400	CONVERTED PH (STANDARD UNITS)	11/30/72-11/05/80	11	8.2	8.178	8.4	8.	0.013	0.114	8.02	8.1	8.3	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/72-11/05/80	11	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.005	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	11/30/72-12/19/85	13	35.7	35.654	36.4	34.9	0.206	0.454	34.98	35.3	36.05	36.32
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/19/85	15	0.	0.167	0.5	0.	0.06	0.244	0.	0.	0.5	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/19/85	15	0.	-0.1	0.	-0.301	0.022	0.147	0.	0.	-0.301	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.794								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

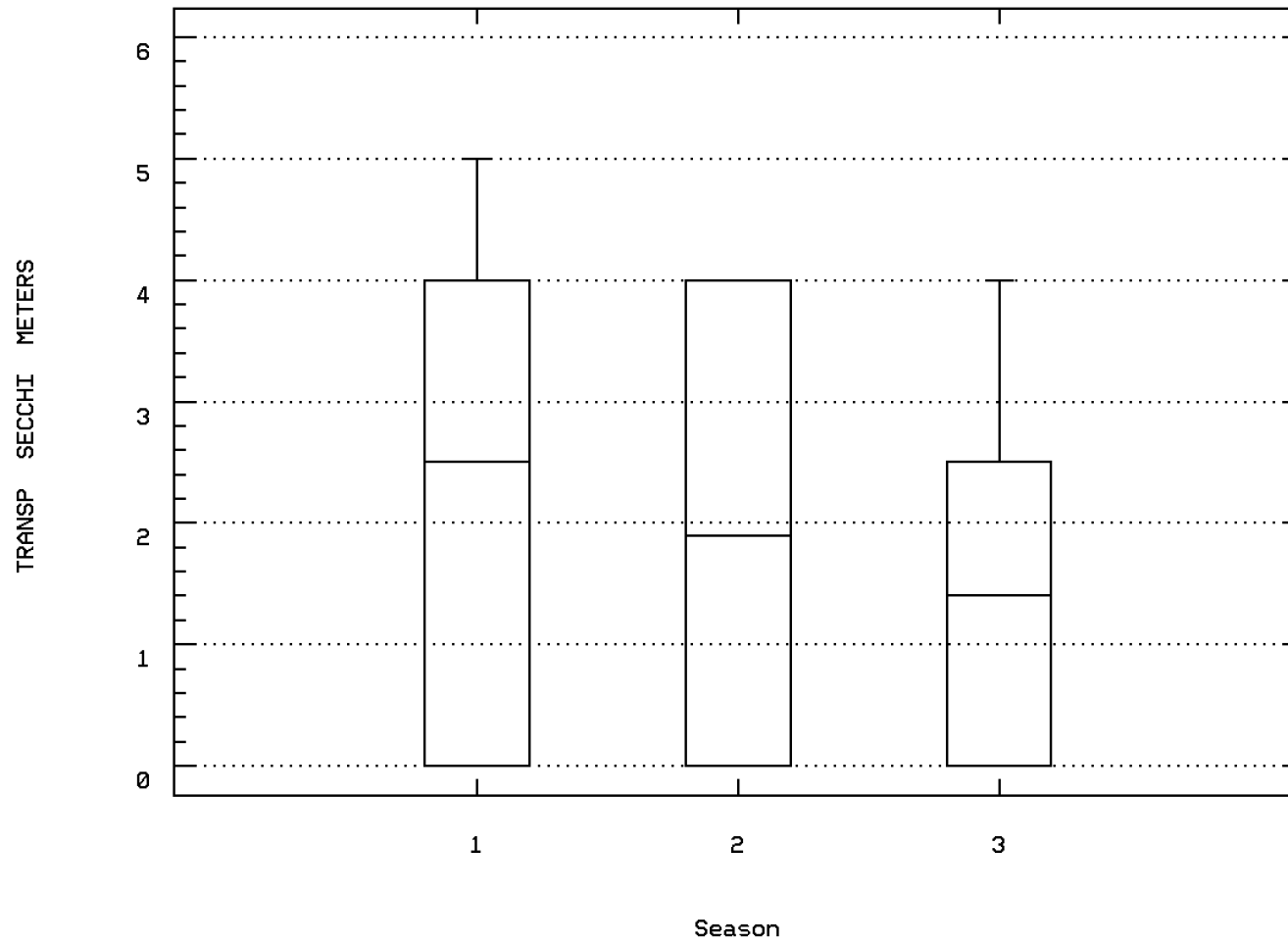
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/19/85	18	27.5	27.222	29.1	24.9	1.684	1.298	25.17	26.15	28.5	28.74
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/30/72-09/24/79	15	0.5	0.607	1.1	0.2	0.074	0.271	0.26	0.4	0.9	1.04
00078p	TRANSPARENCY, SECCHI DISC (METERS)	11/30/72-12/19/85	18	1.2	1.356	4.	0.	2.052	1.432	0.	0.	2.5	4.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-12/19/85	14	7.15	7.214	7.9	6.	0.291	0.539	6.3	6.9	7.725	7.85
00400	PH (STANDARD UNITS)	11/30/72-11/05/80	17	8.3	8.268	8.55	8.	0.019	0.137	8.08	8.175	8.4	8.43
00400	CONVERTED PH (STANDARD UNITS)	11/30/72-11/05/80	17	8.3	8.248	8.55	8.	0.019	0.138	8.08	8.175	8.4	8.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/72-11/05/80	17	0.005	0.006	0.01	0.003	0.	0.002	0.004	0.004	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	11/30/72-12/19/85	16	36.3	36.231	38.5	34.5	0.836	0.914	34.85	35.725	36.65	37.52
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/19/85	18	0.	0.083	0.5	0.	0.037	0.192	0.	0.	0.	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/19/85	18	0.	-0.05	0.	-0.301	0.013	0.115	0.	0.	0.	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.891								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0033 Parameter Code: 00078

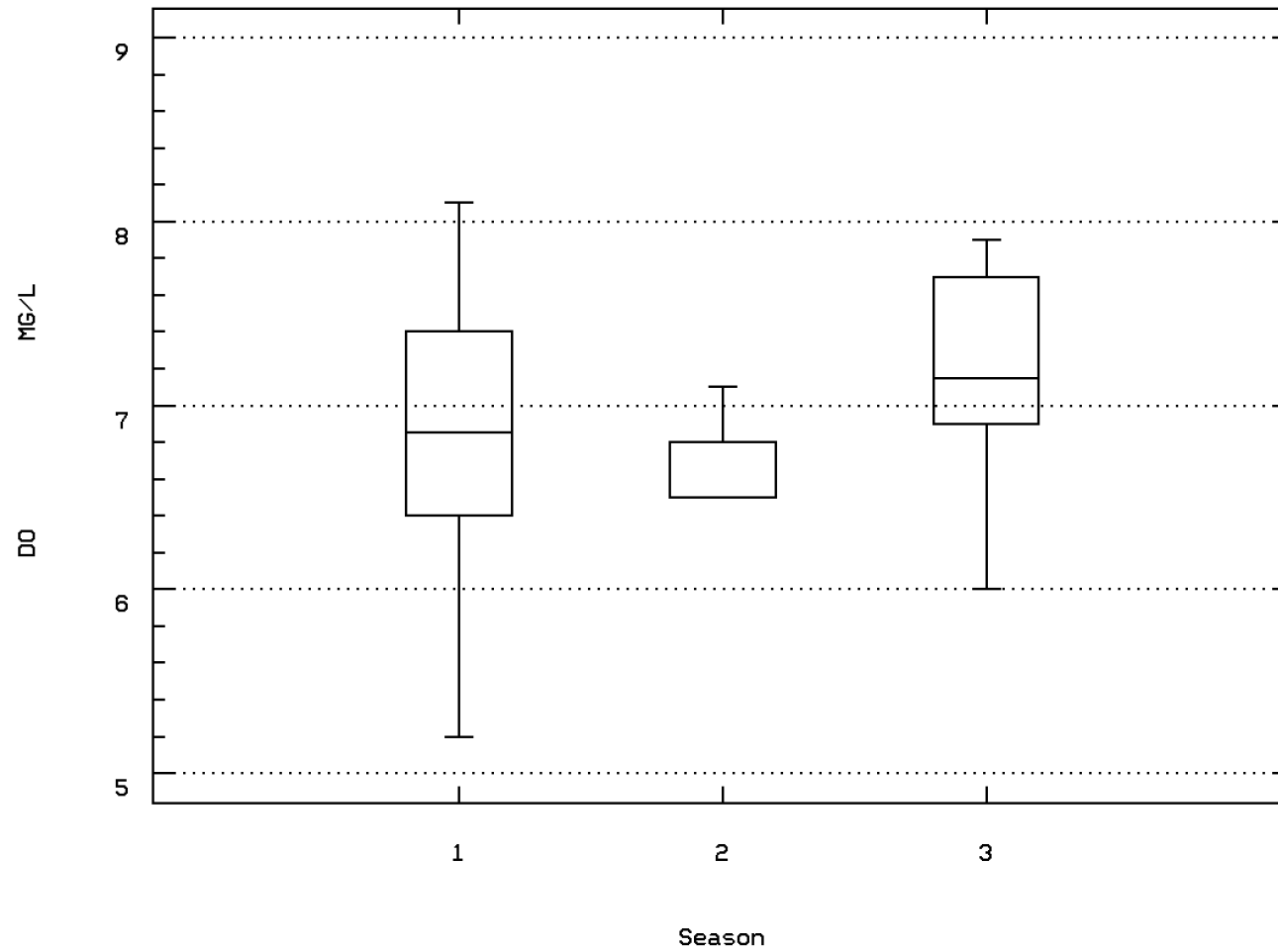
TRANSPARENCY, SECCHI DISC (METERS)



WATER ISLE-SPRAT BAY

Station: VIIS0033 Parameter Code: 00300

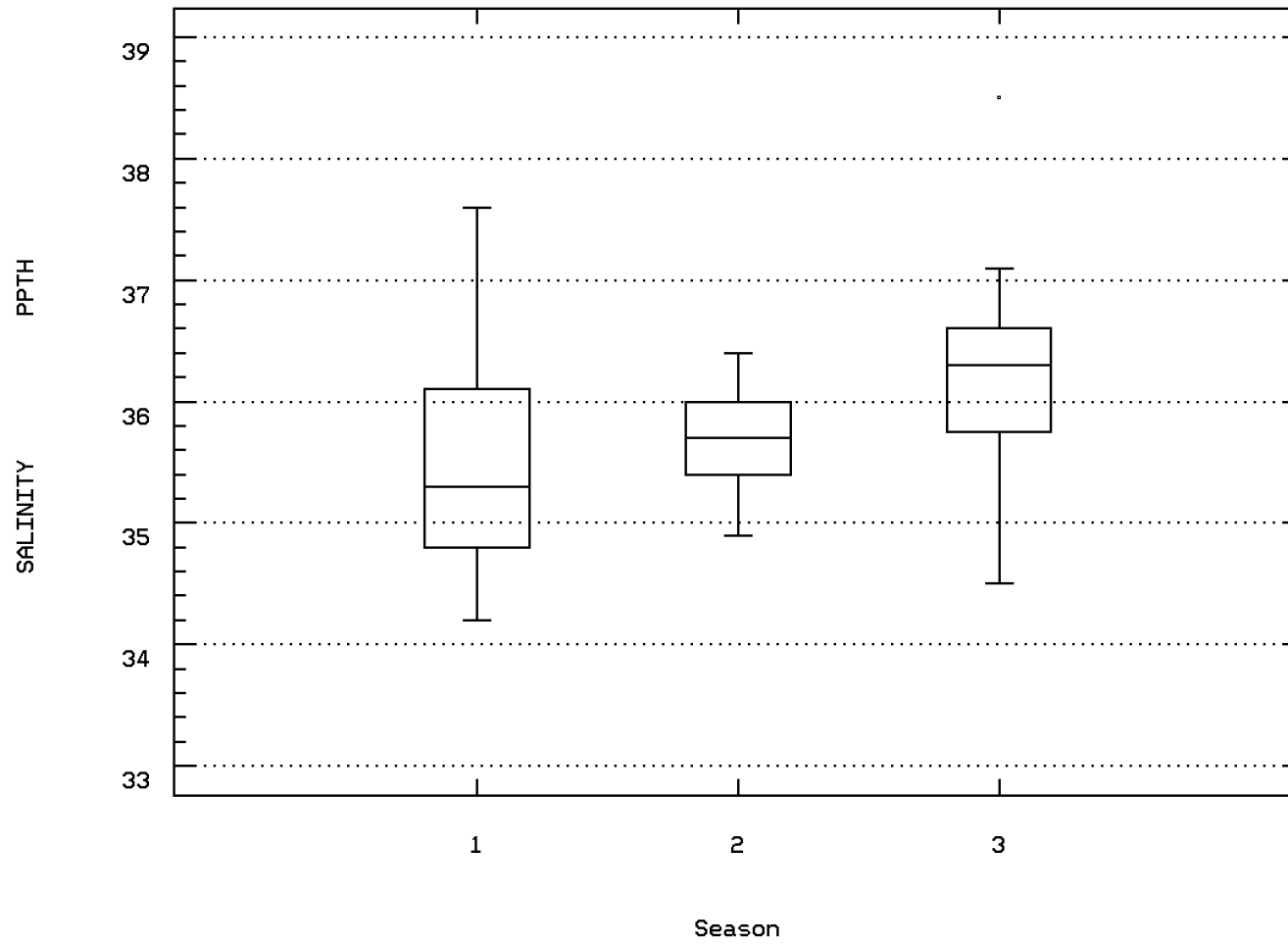
OXYGEN, DISSOLVED



WATER ISLE-SPRAT BAY

Station: VIIS0033 Parameter Code: 00480

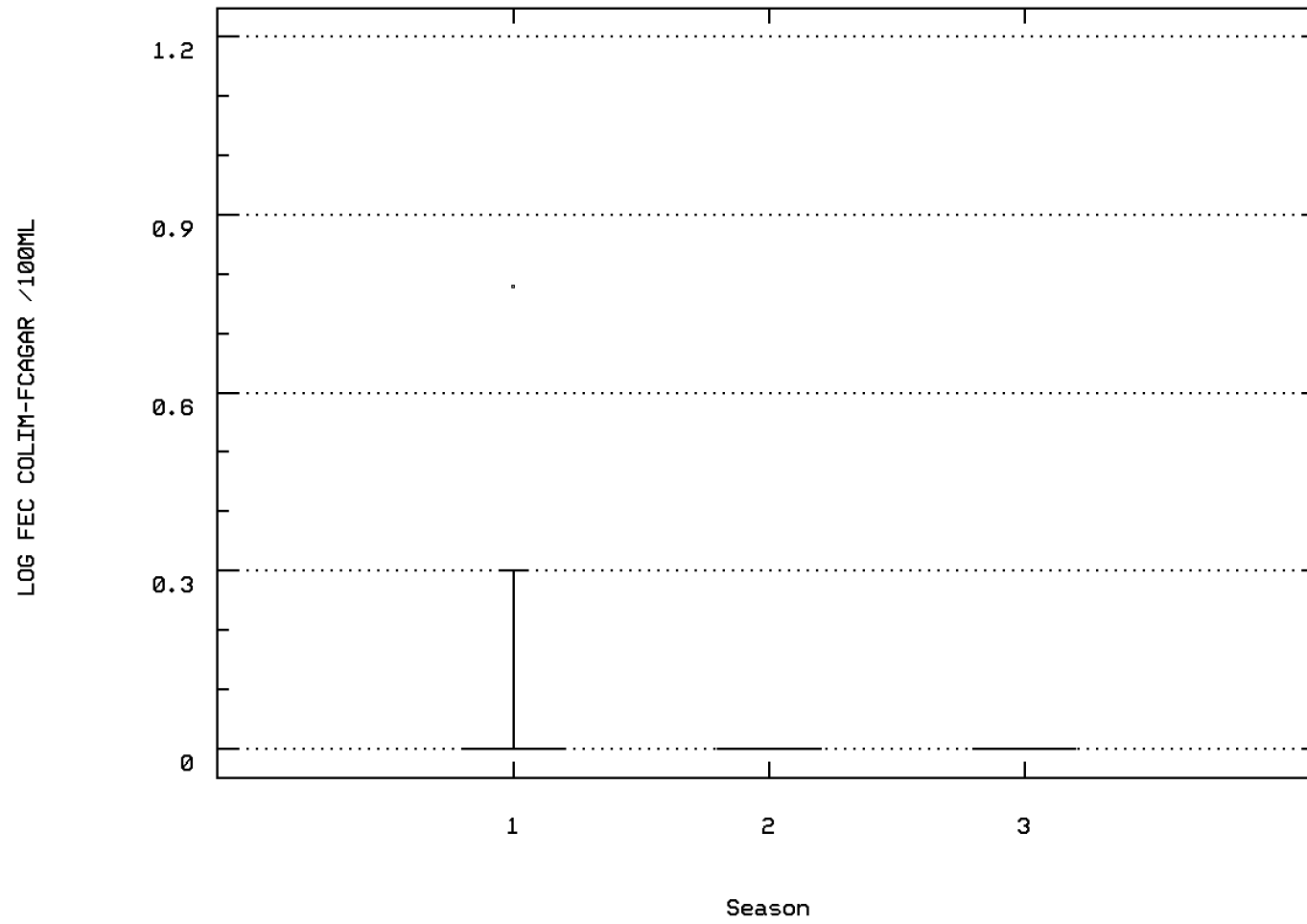
SALINITY - PARTS PER THOUSAND



WATER ISLE-SPRAT BAY

Station: VIIS0033 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



WATER ISLE-SPRAT BAY

Station Inventory for Station: VIIS0034

NPS Station ID: VIIS0034
 Location: BROWN BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.363337/ -64.741948

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-72F
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.2	28.633	29.7	28.	0.863	0.929	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.75	6.775	7.1	6.5	0.102	0.32	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	34.	34.	34.7	33.3	0.98	0.99	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.045	0.045	0.08	0.01	0.002	0.049	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.017	0.017	0.019	0.015	0.	0.003	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	1.	2.5	8.	0.	14.333	3.786	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.151	0.301	0.903	0.	0.181	0.426	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0034

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0035

NPS Station ID: VIIS0035
 Location: FRANCIS BAY-100 FT OFF BEACH
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC:
 Major Basin: ST JOHN
 Minor Basin: DEPTH 5/7 METERS
 RF1 Index:
 RF3 Index:
 Description:

LAT/LON: 18.365559/ -64.745281

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 44D /STJ44D
 Within Park Boundary: Yes

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/75-03/18/86	33	27.5	27.352	29.2	25.	1.349	1.161	25.6	26.5	28.	28.92
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/13/75-10/11/79	27	0.6	0.663	2.8	0.2	0.275	0.524	0.28	0.4	0.6	1.22
00078p	TRANSPARENCY, SECCHI DISC (METERS)	06/13/75-03/18/86	34	7.	5.897	7.	0.	4.966	2.229	2.	6.75	7.	7.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	23	6.4	6.461	7.2	6.1	0.072	0.268	6.2	6.3	6.6	6.88
00300	OXYGEN, DISSOLVED MG/L	06/13/75-03/18/86	10	6.45	6.48	6.8	6.2	0.048	0.22	6.21	6.3	6.7	6.79
00400	PH (STANDARD UNITS)	06/13/75-10/11/79	27	8.2	8.198	8.35	8.	0.008	0.087	8.1	8.1	8.25	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/13/75-10/11/79	27	8.2	8.19	8.35	8.	0.008	0.088	8.1	8.1	8.25	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/75-10/11/79	27	0.006	0.006	0.01	0.004	0.	0.001	0.005	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	06/13/75-03/18/86	33	35.7	35.706	38.5	34.	0.889	0.943	34.66	35.15	36.	37.04
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-06/20/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-06/20/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-06/20/85	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-06/20/85	2	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/13/75-03/18/86	33	0.	1.894	34.	0.	38.59	6.212	0.	0.	0.75	4.8
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/13/75-03/18/86	33	0.	0.081	1.531	-0.301	0.146	0.382	0.	0.	-0.151	0.658
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.204								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	9	0.4	0.366	0.9	0.04	0.08	0.283	0.04	0.075	0.55	0.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

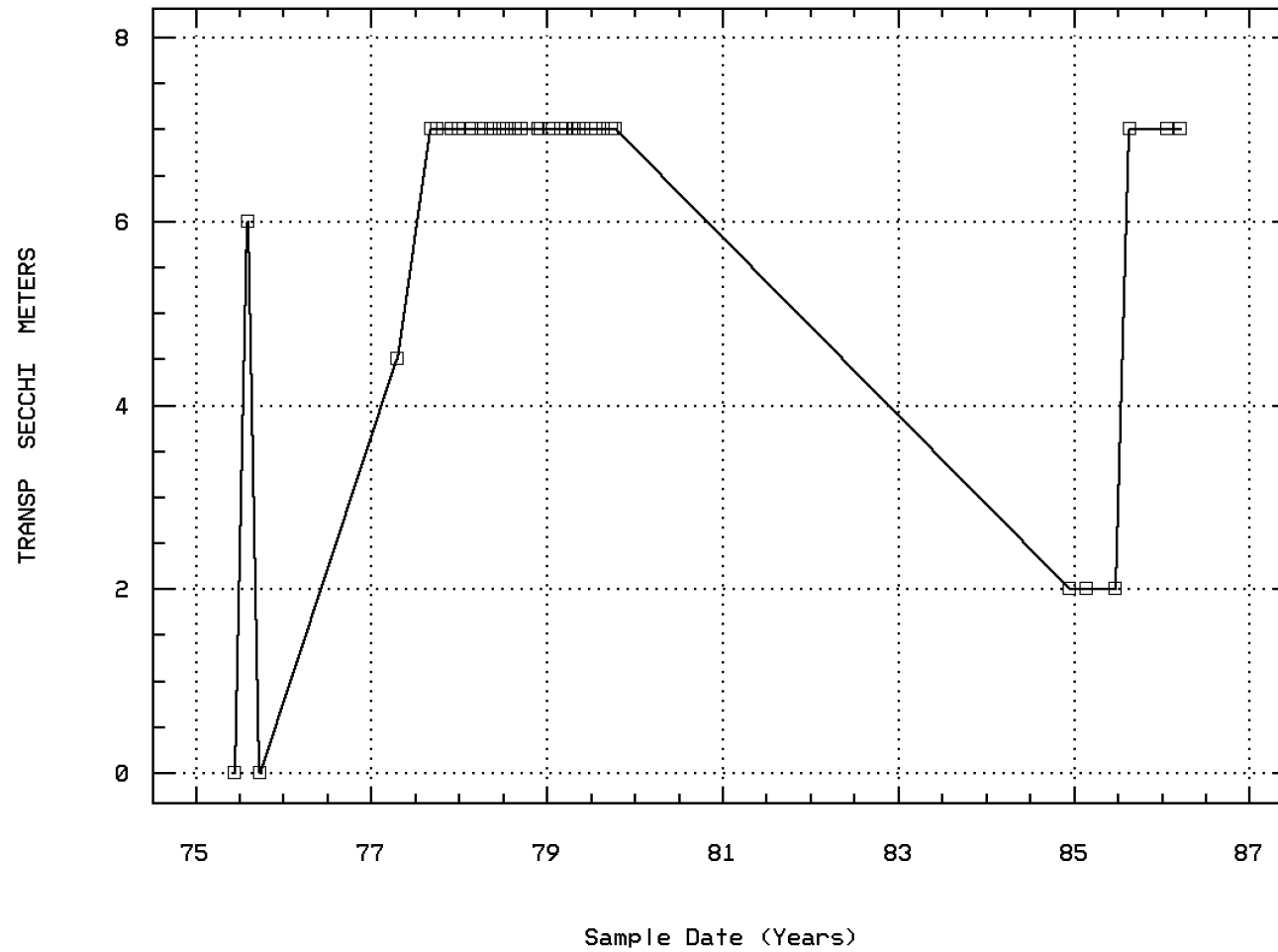
EPA Water Quality Criteria Analysis for Station: VIIS0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	27	0	0.00	14	0	0.00	4	0	0.00	9	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	12	0	0.00	4	0	0.00	7	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
00400	PH	Other-Hi Lim.	9.	27	0	0.00	14	0	0.00	4	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	27	0	0.00	14	0	0.00	4	0	0.00	9	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	33	0	0.00	16	0	0.00	6	0	0.00	11	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0035 Parameter Code: 00078

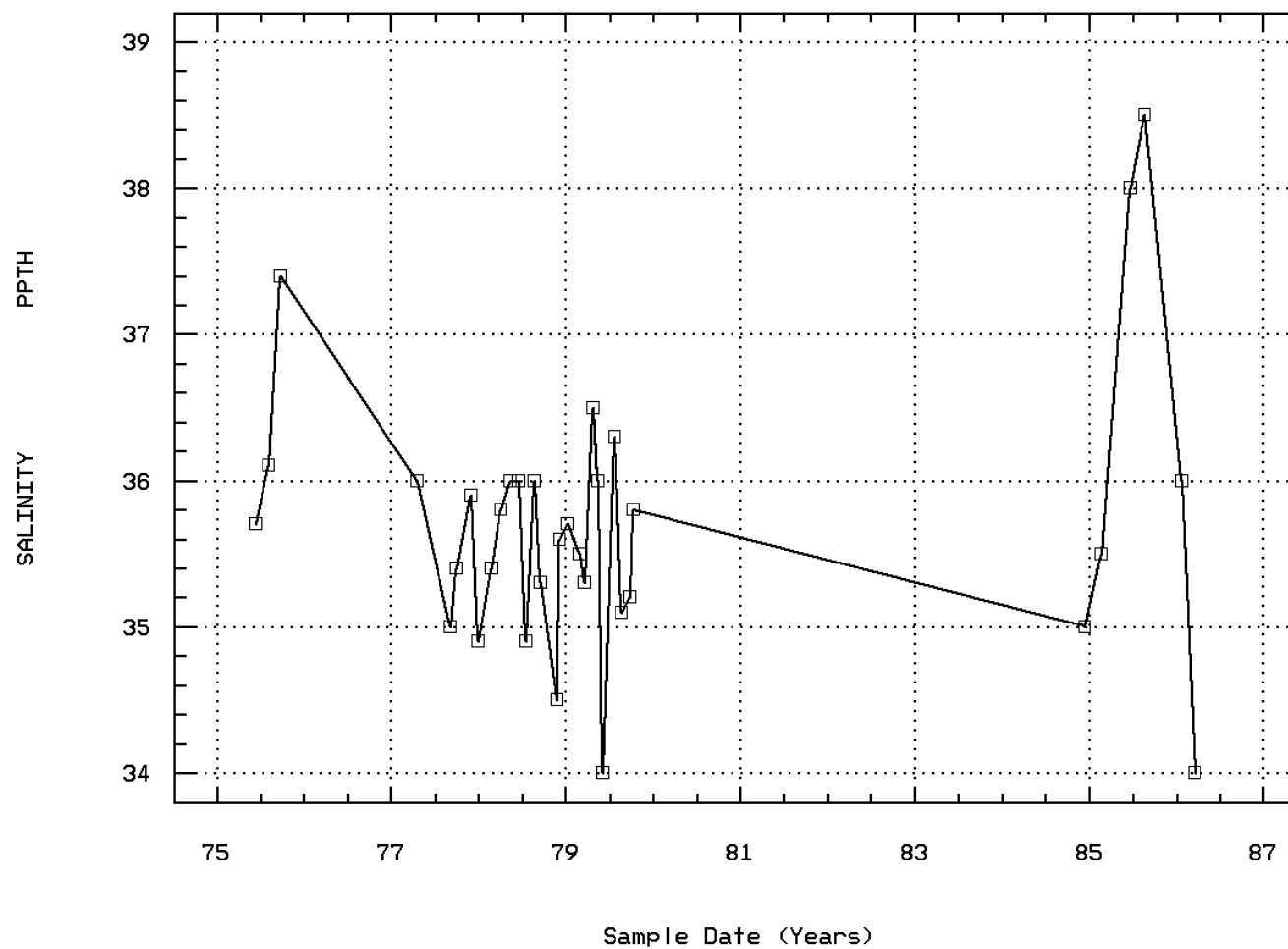
TRANSPARENCY, SECCHI DISC (METERS)



FRANCIS BAY-100 FT OFF BEACH

Station: VIIS0035 Parameter Code: 00480

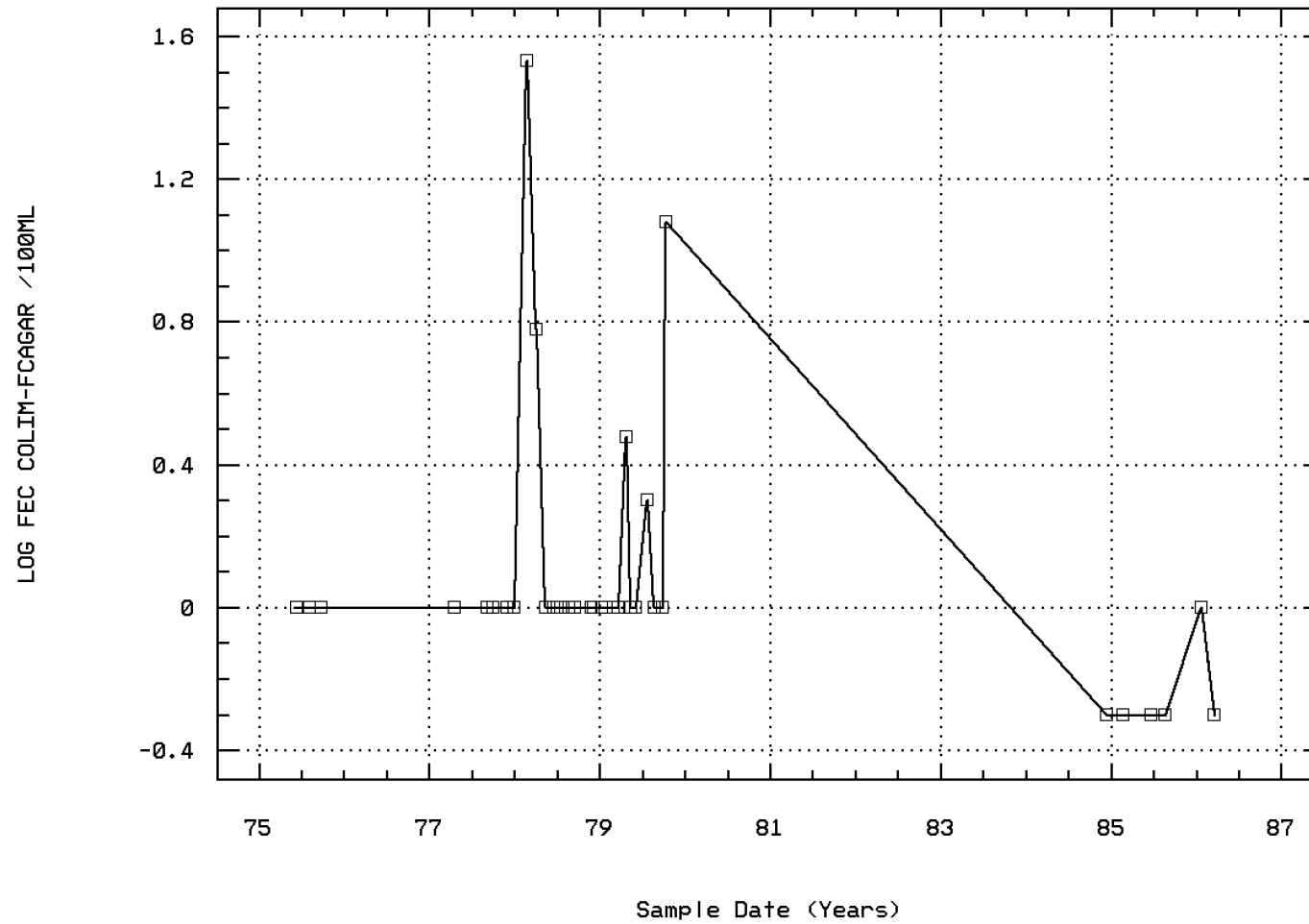
SALINITY - PARTS PER THOUSAND



FRANCIS BAY-100 FT OFF BEACH

Station: VIIS0035 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



FRANCIS BAY-100 FT OFF BEACH

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/75-03/18/86	16	28.	28.081	29.2	25.6	0.816	0.903	26.72	27.625	28.8	29.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/13/75-03/18/86	17	7.	5.941	7.	0.	5.059	2.249	1.6	6.5	7.	7.
00480	SALINITY - PARTS PER THOUSAND	06/13/75-03/18/86	16	35.5	35.75	38.5	34.5	1.019	1.009	34.78	35.025	36.075	37.73
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	06/13/75-03/18/86	16	0.	1.	12.	0.	8.9	2.983	0.	0.	0.5	5.
31613	LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	06/13/75-03/18/86	16	0.	0.049	1.079	-0.301	0.093	0.305	0.	0.	-0.301	0.534
31613	GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			1.118								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0035

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/75-03/18/86	6	25.75	25.883	27.4	25.	0.746	0.864	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/13/75-03/18/86	6	7.	6.167	7.	2.	4.167	2.041	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	06/13/75-03/18/86	6	35.5	35.5	36.	34.9	0.132	0.363	**	**	**	**
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	06/13/75-03/18/86	6	0.25	5.917	34.	0.	189.442	13.764	**	**	**	**
31613	LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	06/13/75-03/18/86	6	-0.151	0.205	1.531	-0.301	0.437	0.661	**	**	**	**
31613	GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			1.604								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/75-03/18/86	11	27.	27.091	28.	26.	0.499	0.706	26.1	26.5	28.	28.
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/13/75-03/18/86	11	7.	5.682	7.	0.	6.114	2.473	0.4	4.5	7.	7.
00480	SALINITY - PARTS PER THOUSAND	06/13/75-03/18/86	11	36.	35.755	38.	34.	1.221	1.105	34.	35.3	36.	37.7
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/13/75-03/18/86	11	0.	1.	6.	0.	3.55	1.884	0.	0.	1.	5.4
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/13/75-03/18/86	11	0.	0.059	0.778	-0.301	0.098	0.312	0.	0.	0.	0.718
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.147								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0036

NPS Station ID: VIIS0036
 Location: FRANCIS BAY-100 FT OFF BEACH 5/7 M
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.365559/ -64.745281

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-44D
 Within Park Boundary: Yes

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-09/30/80	11	27.8	27.464	29.	26.	0.959	0.979	26.06	26.3	28.2	28.86
00032 CLOUD COVER (PERCENT)	11/07/79-09/30/80	10	35.	36.6	100.	12.	742.933	27.257	12.	12.	45.	96.
00035 WIND VELOCITY (MILES PER HOUR)	11/07/79-09/30/80	11	10.	10.364	13.	8.	4.055	2.014	8.	8.	13.	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-09/30/80	11	6.	5.409	6.	3.5	0.941	0.97	3.5	5.5	6.	6.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-09/30/80	11	6.5	6.509	6.9	6.2	0.043	0.207	6.2	6.4	6.6	6.86
00400 PH (STANDARD UNITS)	11/07/79-09/30/80	11	8.1	8.086	8.3	7.5	0.045	0.211	7.6	8.1	8.2	8.29
00400 CONVERTED PH (STANDARD UNITS)	11/07/79-09/30/80	11	8.1	8.022	8.3	7.5	0.049	0.222	7.6	8.1	8.2	8.29
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/07/79-09/30/80	11	0.008	0.009	0.032	0.005	0.	0.007	0.005	0.006	0.008	0.027
00480 SALINITY - PARTS PER THOUSAND	11/07/79-09/30/80	11	35.7	35.818	37.7	34.8	0.696	0.834	34.86	35.2	36.1	37.54
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-09/30/80	11 ##	0.5	18.818	200.	0.5	3611.164	60.093	0.5	0.5	1.	160.4
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-09/30/80	11 ##	-0.301	0.018	2.301	-0.301	0.611	0.781	-0.301	-0.301	0.	1.901
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			1.041								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-09/30/80	11	0.7	0.709	1.1	0.4	0.049	0.221	0.42	0.5	0.9	1.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0036

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	11	1	0.09	5	0	0.00	3	1	0.33	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0037

NPS Station ID: VIIS0037
 Location: MAHO BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.358559/ -64.745698

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_MABA08
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.55	27.336	29.1	25.2	1.396	1.181	25.67	26.25	28.425	28.83
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	40.	46.545	100.	3.	759.575	27.56	13.5	28.75	66.25	95.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	5.	5.083	15.	0.	10.712	3.273	0.85	2.875	5.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	48	63.5	62.658	94.9	19.	130.854	11.439	49.97	57.575	67.925	75.52
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	4.	4.261	7.92	1.5	2.684	1.638	2.364	3.	5.495	6.9
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	59	54200.	45999.729	56100.	51.	387425311.132	19683.122	55.	52800.	54900.	55400.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.3	6.353	7.5	5.5	0.146	0.382	5.97	6.1	6.6	6.83
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	63	7.85	7.792	8.98	7.28	0.119	0.346	7.374	7.42	8.09	8.176
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	63	7.85	7.673	8.98	7.28	0.134	0.366	7.374	7.42	8.09	8.176
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	63	0.014	0.021	0.052	0.001	0.	0.015	0.007	0.008	0.038	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.	35.803	37.3	32.8	0.83	0.911	34.52	35.2	36.4	36.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.008	0.01	0.025	0.001	0.	0.007	0.002	0.005	0.016	0.022
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.004	0.	0.	0.001	0.	0.	0.001	0.004
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.005	0.	0.	0.002	0.	0.	0.003	0.004
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.003	0.006	0.001	0.	0.002	0.001	0.001	0.004	0.006
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.009	0.003	0.	0.002	0.003	0.003	0.007	0.009
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	60	0.3	0.35	0.8	0.1	0.025	0.158	0.2	0.2	0.4	0.6
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	4.	4.349	8.	1.5	2.948	1.717	2.42	3.	5.6	7.12

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0037

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	63	0	0.00	29	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	63	0	0.00	29	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	60	0	0.00	30	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.5	27.167	28.4	25.6	1.362	1.167	25.6	25.75	28.25	28.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	53.778	99.	10.	937.194	30.614	10.	35.	87.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.	10.	0.	6.25	2.5	0.	5.	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	2.25	2.5	4.	1.5	0.643	0.802	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54500.	54525.	54900.	54200.	109166.667	330.404	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.211	6.4	5.9	0.034	0.183	5.9	6.05	6.4	6.4
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.86	7.94	8.3	7.71	0.041	0.202	7.71	7.79	8.14	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.86	7.903	8.3	7.71	0.042	0.206	7.71	7.79	8.14	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.014	0.013	0.019	0.005	0.	0.005	0.005	0.007	0.016	0.019
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.9	35.42	36.4	32.8	2.202	1.484	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.3	0.3	0.6	0.1	0.027	0.163	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.5	2.533	4.	1.5	0.573	0.757	1.5	2.	3.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	26.7	26.7	28.9	25.2	1.87	1.367	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	20.	44.286	90.	20.	995.238	31.547	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	5.714	10.	0.	11.905	3.45	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	5	63.4	51.52	70.	19.	471.437	21.713	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	4.	3.714	4.5	3.	0.488	0.699	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52600.	52742.857	53800.	52000.	339523.81	582.687	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.4	6.486	6.9	6.2	0.078	0.279	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	7	7.38	7.503	7.89	7.28	0.052	0.228	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	7	7.38	7.459	7.89	7.28	0.054	0.233	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	7	0.042	0.035	0.052	0.013	0.	0.014	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.8	34.771	35.5	34.2	0.169	0.411	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.25	0.5	0.1	0.019	0.138	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	4.	3.857	5.	3.	0.726	0.852	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.1	27.609	29.1	25.5	1.651	1.285	25.56	26.3	28.6	29.1
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	53.636	95.	10.	790.455	28.115	13.	30.	80.	94.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	7.273	15.	5.	11.818	3.438	5.	5.	10.	14.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	11	61.	60.145	68.3	51.8	31.395	5.603	52.24	55.4	65.3	67.98
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	4.	4.091	5.	3.	0.528	0.727	3.	3.5	5.	5.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	10	54550.	54530.	55400.	53400.	353444.444	594.512	53480.	54200.	54875.	55400.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.3	6.336	6.8	6.	0.081	0.284	6.	6.	6.6	6.76
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.39	7.396	7.45	7.34	0.001	0.034	7.346	7.37	7.42	7.45
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.39	7.395	7.45	7.34	0.001	0.034	7.346	7.37	7.42	7.45
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.041	0.04	0.046	0.035	0.	0.003	0.035	0.038	0.043	0.045
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.1	36.091	36.8	35.2	0.199	0.446	35.32	35.9	36.2	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.4	0.41	0.7	0.2	0.025	0.16	0.2	0.275	0.525	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	4.	4.1	5.	3.	0.532	0.729	3.	3.5	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.45	27.42	28.9	25.9	1.366	1.169	25.91	26.225	28.65	28.89
00032	CLOUD COVER (PERCENT)	10	37.5	45.5	95.	5.	774.722	27.834	6.5	27.5	65.	93.5
00035	WIND VELOCITY (MILES PER HOUR)	10	5.	4.55	10.	2.	5.747	2.397	2.05	2.5	5.25	9.6
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	59.65	59.06	71.2	44.5	70.972	8.424	45.07	51.55	66.	70.98
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	6.	6.036	7.75	3.5	1.801	1.342	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	54311.111	56100.	51700.	2001111.111	1414.606	51700.	53150.	55500.	56100.
00300	OXYGEN, DISSOLVED MG/L	10	6.45	6.58	7.5	5.8	0.444	0.666	5.81	5.975	7.25	7.49
00406	PH, FIELD, STANDARD UNITS SU	10	7.475	7.571	7.94	7.37	0.045	0.213	7.371	7.41	7.813	7.931
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.473	7.53	7.94	7.37	0.047	0.217	7.371	7.41	7.812	7.931
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.034	0.03	0.043	0.011	0.	0.012	0.012	0.015	0.039	0.043
00480	SALINITY - PARTS PER THOUSAND	9	36.2	35.944	37.3	34.1	1.07	1.035	34.1	35.05	36.8	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.456	0.8	0.2	0.038	0.194	0.2	0.3	0.6	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	6.5	6.08	8.	3.	2.797	1.673	3.05	5.	7.2	7.98

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.6	27.418	29.1	25.7	1.22	1.104	25.76	26.5	28.2	29.
00032	CLOUD COVER (PERCENT)	11	40.	45.	80.	30.	245.	15.652	30.	35.	50.	77.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	4.682	12.5	0.5	12.614	3.552	0.6	1.	7.5	11.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	64.7	65.21	80.2	47.9	75.839	8.709	49.11	61.5	70.05	79.71
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	3.	3.473	5.7	2.25	1.085	1.042	2.3	2.848	4.313	5.58
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54800.	54445.455	55200.	53000.	518727.273	720.227	53080.	53800.	54900.	55140.
00300	OXYGEN, DISSOLVED MG/L	11	6.3	6.364	7.1	5.5	0.203	0.45	5.58	6.1	6.7	7.02
00406	PH, FIELD, STANDARD UNITS SU	9	7.9	7.964	8.22	7.81	0.022	0.147	7.81	7.84	8.11	8.22
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.9	7.944	8.22	7.81	0.022	0.148	7.81	7.84	8.11	8.22
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.013	0.011	0.015	0.006	0.	0.003	0.006	0.008	0.014	0.015
00480	SALINITY - PARTS PER THOUSAND	11	36.3	36.055	36.7	34.9	0.331	0.575	34.96	35.6	36.4	36.66
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.35	0.38	0.6	0.2	0.015	0.123	0.21	0.3	0.5	0.59
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.	3.49	5.7	2.3	1.07	1.034	2.35	2.875	4.35	5.58

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.2	27.433	28.9	25.6	1.712	1.309	25.6	26.25	28.65	28.9
00032	CLOUD COVER (PERCENT)	9	40.	39.778	100.	3.	980.444	31.312	3.	10.	60.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	3.	2.722	5.	0.	4.194	2.048	0.	0.5	5.	5.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	77.5	79.733	94.9	66.8	201.143	14.183	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	6.1	5.296	7.92	2.74	3.641	1.908	2.74	3.26	6.855	7.92
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54800.	54800.	55800.	53700.	580000.	761.577	53700.	54000.	55400.	55800.
00300	OXYGEN, DISSOLVED MG/L	9	6.1	6.211	6.7	5.9	0.069	0.262	5.9	6.	6.4	6.7
00406	PH, FIELD, STANDARD UNITS SU	9	8.	8.021	8.27	7.88	0.018	0.135	7.88	7.91	8.135	8.27
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	8.	8.004	8.27	7.88	0.019	0.136	7.88	7.91	8.135	8.27
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.01	0.01	0.013	0.005	0.	0.003	0.005	0.007	0.012	0.013
00480	SALINITY - PARTS PER THOUSAND	9	36.3	36.322	37.1	35.5	0.342	0.585	35.5	35.7	36.8	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.267	0.5	0.1	0.02	0.141	0.1	0.1	0.35	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	6.1	5.3	7.9	2.7	3.603	1.898	2.7	3.3	6.85	7.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.7	27.378	28.7	25.6	1.217	1.103	25.6	26.2	28.25	28.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	35.	42.222	100.	10.	1131.944	33.644	10.	17.5	72.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.444	12.5	0.5	16.715	4.088	0.5	1.5	9.	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	9	65.2	67.389	79.	61.4	33.301	5.771	61.4	63.5	71.85	79.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	4.85	4.919	7.88	2.33	3.707	1.925	2.33	3.07	6.515	7.88
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.778	56.	51.	2.694	1.641	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.289	6.6	6.1	0.039	0.196	6.1	6.1	6.5	6.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.125	8.244	8.98	8.04	0.095	0.308	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.125	8.181	8.98	8.04	0.099	0.315	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.007	0.009	0.001	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.5	36.6	33.7	1.273	1.128	33.7	34.45	36.5	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.333	0.6	0.2	0.013	0.112	0.2	0.3	0.35	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.9	4.933	7.9	2.3	3.778	1.944	2.3	3.05	6.55	7.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.29	29.1	26.7	0.38	0.616	27.2	28.	28.7	29.06
00032	CLOUD COVER (PERCENT)	31	40.	44.323	100.	5.	730.892	27.035	11.	25.	60.	94.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	4.774	12.5	0.	13.581	3.685	0.1	2.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	4.	4.525	7.88	2.5	2.465	1.57	3.	3.	5.75	7.27
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	29	54300.	46821.241	55800.	52.	363331463.904	19061.256	55.	52950.	54850.	55400.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.132	6.8	5.8	0.042	0.204	5.9	6.	6.2	6.38
00406	PH, FIELD, STANDARD UNITS SU	29	7.86	7.776	8.22	7.28	0.096	0.31	7.36	7.385	8.06	8.13
00406	CONVERTED PH, FIELD, STANDARD UNITS	29	7.86	7.669	8.22	7.28	0.108	0.328	7.36	7.385	8.06	8.13
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	29	0.014	0.021	0.052	0.006	0.	0.015	0.007	0.009	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	30	36.05	35.883	37.1	33.9	0.654	0.809	34.26	35.65	36.4	36.79
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.4	0.383	0.8	0.1	0.024	0.153	0.2	0.3	0.5	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	4.	4.543	8.	2.5	2.848	1.688	2.82	3.	5.65	7.75

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.7	25.756	26.5	25.2	0.1	0.316	25.27	25.6	25.975	26.22
00032	CLOUD COVER (PERCENT)	16	35.	41.563	90.	10.	539.063	23.218	13.5	22.5	57.5	83.
00035	WIND VELOCITY (MILES PER HOUR)	16	5.	6.438	15.	2.5	10.963	3.311	2.85	5.	9.5	11.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	3.5	3.784	6.4	1.5	2.215	1.488	1.75	2.77	5.123	6.05
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53700.	46250.571	55200.	53.	383654679.187	19587.105	54.	52900.	54725.	55000.
00300	OXYGEN, DISSOLVED MG/L	16	6.65	6.619	7.2	6.1	0.094	0.306	6.17	6.325	6.775	7.13
00406	PH, FIELD, STANDARD UNITS SU	16	7.855	7.785	8.31	7.37	0.082	0.287	7.384	7.49	7.948	8.191
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.854	7.699	8.31	7.37	0.09	0.3	7.384	7.49	7.947	8.191
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.014	0.02	0.043	0.005	0.	0.013	0.007	0.011	0.032	0.041
00480	SALINITY - PARTS PER THOUSAND	15	35.5	35.46	36.7	32.8	0.928	0.963	33.88	35.	36.2	36.46
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.3	0.321	0.6	0.1	0.017	0.131	0.15	0.2	0.4	0.55
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	4.4	4.225	7.	1.5	2.987	1.728	1.85	2.9	5.65	6.65

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.1	27.111	28.4	25.8	0.483	0.695	26.3	26.6	27.7	28.1
00032	CLOUD COVER (PERCENT)	19	50.	54.368	100.	3.	980.357	31.311	10.	30.	80.	95.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	4.447	10.	0.	4.692	2.166	0.5	5.	5.	5.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.82	4.206	7.92	2.	3.412	1.847	2.	2.645	5.82	7.371
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54500.	44291.25	56100.	51.	482848087.8	21973.805	53.1	52425.	55375.	55750.
00300	OXYGEN, DISSOLVED MG/L	19	6.4	6.489	7.5	5.5	0.212	0.461	6.1	6.2	6.7	7.4
00406	PH, FIELD, STANDARD UNITS SU	18	7.825	7.822	8.98	7.38	0.204	0.451	7.38	7.42	8.148	8.368
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.825	7.657	8.98	7.38	0.233	0.482	7.38	7.42	8.147	8.368
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.015	0.022	0.042	0.001	0.	0.016	0.005	0.007	0.038	0.042
00480	SALINITY - PARTS PER THOUSAND	16	36.3	35.975	37.3	33.7	1.029	1.014	34.26	35.075	36.775	37.02
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.3	0.313	0.7	0.1	0.033	0.182	0.1	0.2	0.475	0.63
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.6	4.147	7.9	2.	3.286	1.813	2.	2.8	5.8	7.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0038

NPS Station ID: VIIS0038
 Location: FRANCIS BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.364309/ -64.745671

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_FRBA09
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.55	27.332	29.1	25.2	1.406	1.186	25.7	26.175	28.425	28.8
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	63	40.	45.778	100.	5.	752.466	27.431	12.	30.	70.	93.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	63	7.5	7.325	15.	0.	13.969	3.738	2.5	5.	10.	12.5
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	66.4	66.552	83.7	50.	65.825	8.113	56.85	60.475	72.15	78.64
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	7.31	7.658	13.11	3.	4.419	2.102	5.492	6.175	9.045	10.934
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54200.	46141.383	56100.	51.	382097467.529	19547.314	55.	52800.	54800.	55490.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.3	6.455	8.6	5.9	0.234	0.484	6.	6.1	6.625	6.93
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	62	7.845	7.791	8.99	7.28	0.122	0.35	7.38	7.41	8.05	8.177
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	62	7.845	7.67	8.99	7.28	0.137	0.37	7.38	7.41	8.05	8.177
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	62	0.014	0.021	0.052	0.001	0.	0.015	0.007	0.009	0.039	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.1	35.808	37.2	33.1	0.759	0.871	34.62	35.2	36.4	36.78
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.007	0.011	0.027	0.004	0.	0.008	0.004	0.006	0.016	0.027
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.001	0.001	0.001	0.	0.	0.	0.	0.	0.001	0.001
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/16/95	13	0.001	0.001	0.004	0.	0.	0.001	0.	0.	0.002	0.004
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/16/95	13	0.002	0.002	0.005	0.001	0.	0.001	0.001	0.001	0.003	0.005
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/16/95	13	0.004	0.005	0.009	0.002	0.	0.002	0.002	0.004	0.007	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.3	0.367	1.2	0.02	0.044	0.21	0.1	0.2	0.5	0.61
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	7.5	8.054	14.	3.	5.284	2.299	5.5	6.45	9.1	11.88

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0038

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	62	0	0.00	28	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	62	0	0.00	28	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	30	0	0.00	12	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.6	27.222	28.5	25.7	1.404	1.185	25.7	25.75	28.3	28.5
00032	CLOUD COVER (PERCENT)	9	40.	53.778	99.	10.	937.194	30.614	10.	35.	87.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	8.333	15.	5.	18.75	4.33	5.	5.	12.5	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	8	7.25	7.75	12.	6.5	3.214	1.793	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4	54400.	54425.	54700.	54200.	69166.667	262.996	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	9	6.3	6.311	6.9	6.1	0.064	0.252	6.1	6.1	6.4	6.9
00406	PH, FIELD, STANDARD UNITS SU	9	7.86	7.949	8.29	7.71	0.042	0.204	7.71	7.8	8.165	8.29
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.86	7.91	8.29	7.71	0.043	0.209	7.71	7.8	8.165	8.29
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.014	0.012	0.019	0.005	0.	0.005	0.005	0.007	0.016	0.019
00480	SALINITY - PARTS PER THOUSAND	5	35.9	35.48	36.4	33.1	1.827	1.352	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	7.	7.833	12.	6.5	3.063	1.75	6.5	6.75	8.5	12.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	26.8	26.729	29.	25.2	1.986	1.409	**	**	**	**
00032	CLOUD COVER (PERCENT)	7	30.	44.286	80.	20.	695.238	26.367	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	7	10.	8.571	15.	5.	14.286	3.78	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	64.	61.9	71.7	50.	121.03	11.001	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	8.	9.	12.	6.	5.	2.236	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	7	52800.	52785.714	53800.	52000.	321428.571	566.947	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	7	6.6	6.514	6.9	6.2	0.068	0.261	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	7	7.39	7.511	7.89	7.28	0.055	0.234	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	7	7.39	7.465	7.89	7.28	0.057	0.239	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.041	0.034	0.052	0.013	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	7	34.8	34.857	35.6	34.3	0.17	0.412	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	7	8.	9.429	14.	6.	8.619	2.936	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.1	27.6	29.1	25.5	1.738	1.318	25.54	26.3	28.7	29.1
00032	CLOUD COVER (PERCENT)	11	50.	51.818	95.	10.	761.364	27.593	13.	30.	80.	94.
00035	WIND VELOCITY (MILES PER HOUR)	11	10.	7.273	10.	0.	11.818	3.438	1.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	11	63.8	64.445	83.7	53.	78.571	8.864	53.04	57.	69.5	81.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	6.25	6.664	11.	5.	2.537	1.593	5.1	6.	7.	10.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54500.	54536.364	55500.	53400.	348545.455	590.377	53560.	54200.	54800.	55480.
00300	OXYGEN, DISSOLVED MG/L	11	6.5	6.491	6.9	6.1	0.057	0.239	6.12	6.3	6.7	6.86
00406	PH, FIELD, STANDARD UNITS SU	11	7.39	7.395	7.44	7.35	0.001	0.031	7.352	7.36	7.43	7.438
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.39	7.394	7.44	7.35	0.001	0.031	7.352	7.36	7.43	7.438
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.041	0.04	0.045	0.036	0.	0.003	0.036	0.037	0.044	0.044
00480	SALINITY - PARTS PER THOUSAND	11	36.1	36.091	36.8	35.2	0.185	0.43	35.34	35.9	36.2	36.78
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	11	6.3	6.673	11.	5.	2.534	1.592	5.1	6.	7.	10.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	27.35	27.4	28.9	25.9	1.42	1.192	25.91	26.15	28.725	28.89
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	47.778	90.	5.	900.694	30.012	5.	25.	80.	90.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.667	12.5	2.5	10.875	3.298	2.5	4.25	9.5	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	60.25	62.06	74.3	56.5	30.214	5.497	56.57	57.8	66.175	73.54
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	6.8	6.936	9.	6.	1.012	1.006	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54700.	54277.778	56100.	51600.	2089444.444	1445.491	51600.	53100.	55500.	56100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.55	6.8	8.6	5.9	0.876	0.936	5.91	6.	7.4	8.54
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	10	7.475	7.574	7.96	7.38	0.05	0.223	7.38	7.403	7.838	7.95
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	10	7.473	7.529	7.96	7.38	0.052	0.228	7.38	7.403	7.837	7.95
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	10	0.034	0.03	0.042	0.011	0.	0.012	0.011	0.015	0.04	0.042
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.922	37.2	34.	1.084	1.041	34.	35.05	36.8	37.2
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	8.25	8.78	12.	5.5	4.984	2.232	5.63	6.95	11.25	12.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	27.6	27.418	29.1	25.8	1.258	1.121	25.82	26.4	28.1	29.02
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	42.778	70.	30.	269.444	16.415	30.	30.	57.5	70.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.5	6.222	15.	0.5	24.882	4.988	0.5	1.75	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	71.7	70.26	79.2	58.5	46.058	6.787	58.75	65.275	75.475	79.12
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	6.125	6.3	11.8	3.	6.304	2.511	3.08	4.325	7.563	11.395
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54700.	54454.545	55400.	52800.	664727.273	815.308	52900.	53800.	55000.	55360.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.4	6.518	7.8	5.9	0.28	0.529	5.94	6.1	6.8	7.64
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	7.9	7.948	8.26	7.78	0.026	0.161	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	7.9	7.924	8.26	7.78	0.027	0.163	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.013	0.012	0.017	0.005	0.	0.004	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.3	36.055	36.6	34.9	0.315	0.561	34.96	35.6	36.4	36.56
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	6.5	6.52	11.8	3.	5.904	2.43	3.08	4.85	7.575	11.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.2	27.378	28.8	25.6	1.569	1.253	25.6	26.25	28.6	28.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	40.	95.	5.	775.	27.839	5.	17.5	55.	95.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.444	10.	2.	7.278	2.698	2.	5.	9.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	76.6	77.767	82.3	74.4	16.623	4.077	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	9.14	8.892	13.11	6.1	5.116	2.262	6.1	6.855	10.515	13.11
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54800.	54822.222	55900.	53600.	639444.444	799.653	53600.	54050.	55550.	55900.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.222	6.7	5.9	0.052	0.228	5.9	6.05	6.3	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	8.03	8.041	8.28	7.91	0.016	0.128	7.91	7.925	8.135	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	8.03	8.025	8.28	7.91	0.017	0.129	7.91	7.925	8.135	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.009	0.009	0.012	0.005	0.	0.003	0.005	0.007	0.012	0.012
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.3	36.3	37.1	35.4	0.355	0.596	35.4	35.7	36.8	37.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	9.1	9.244	13.1	6.1	5.4	2.324	6.1	6.85	10.85	13.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.8	27.356	28.5	25.6	1.17	1.082	25.6	26.2	28.3	28.5
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	38.333	100.	5.	1237.5	35.178	5.	15.	67.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	8.	8.056	15.	1.5	15.153	3.893	1.5	5.	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	66.8	67.811	81.2	58.3	46.261	6.802	58.3	63.2	72.1	81.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	9.09	8.582	10.6	5.49	2.059	1.435	5.49	7.895	9.09	10.6
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.667	55.	51.	2.25	1.5	51.	52.5	55.	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.278	6.7	6.	0.049	0.222	6.	6.1	6.45	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.13	8.239	8.99	8.03	0.1	0.316	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.13	8.173	8.99	8.03	0.105	0.324	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.007	0.009	0.001	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.1	35.478	36.6	33.8	1.124	1.06	33.8	34.5	36.3	36.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	9.1	8.6	10.6	5.5	2.07	1.439	5.5	7.9	9.1	10.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.297	29.1	26.7	0.377	0.614	27.2	28.1	28.7	29.08
00032	CLOUD COVER (PERCENT)	31	40.	42.871	100.	5.	669.183	25.869	11.	30.	50.	90.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	6.726	15.	0.	16.247	4.031	1.6	5.	10.	12.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	7.5	8.023	13.11	5.5	4.272	2.067	6.	6.25	9.115	12.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54250.	47073.8	55900.	52.	352751450.372	18781.679	54.1	53175.	54800.	55490.
00300	OXYGEN, DISSOLVED MG/L	31	6.2	6.232	6.9	5.9	0.056	0.237	6.	6.1	6.3	6.5
00406	PH, FIELD, STANDARD UNITS SU	28	7.86	7.771	8.26	7.28	0.101	0.317	7.359	7.383	8.067	8.144
00406	CONVERTED PH, FIELD, STANDARD UNITS	28	7.86	7.66	8.26	7.28	0.114	0.337	7.359	7.383	8.067	8.144
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	28	0.014	0.022	0.052	0.005	0.	0.016	0.007	0.009	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	30	36.1	35.873	37.1	33.9	0.633	0.796	34.35	35.65	36.325	36.79
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.3	0.399	0.8	0.06	0.029	0.171	0.2	0.3	0.525	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	8.	8.607	13.1	5.5	5.541	2.354	6.	6.5	10.775	12.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.7	25.744	26.4	25.2	0.085	0.292	25.27	25.6	25.9	26.19
00032	CLOUD COVER (PERCENT)	15	40.	39.	80.	5.	472.143	21.729	8.	30.	50.	80.
00035	WIND VELOCITY (MILES PER HOUR)	15	9.	9.	15.	4.	9.679	3.111	4.6	7.5	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	6.875	7.521	12.	3.8	6.135	2.477	4.475	5.948	8.75	11.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53700.	46279.143	55400.	53.	384266072.593	19602.706	54.	52750.	54700.	55300.
00300	OXYGEN, DISSOLVED MG/L	16	6.65	6.775	8.6	6.	0.399	0.632	6.21	6.4	6.875	8.04
00406	PH, FIELD, STANDARD UNITS SU	16	7.84	7.789	8.31	7.38	0.08	0.282	7.394	7.49	7.953	8.212
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.837	7.706	8.31	7.38	0.087	0.295	7.394	7.49	7.952	8.212
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.02	0.042	0.005	0.	0.013	0.006	0.011	0.032	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.5	35.5	36.6	33.1	0.809	0.899	34.06	35.1	36.2	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12	0.2	0.317	0.8	0.1	0.038	0.195	0.13	0.2	0.4	0.71
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	7.15	7.806	14.	3.8	6.878	2.623	4.78	6.175	8.875	12.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.1	27.095	28.4	25.8	0.474	0.688	26.2	26.6	27.6	28.1
00032	CLOUD COVER (PERCENT)	17	60.	57.059	95.	5.	1053.309	32.455	13.	27.5	92.5	95.
00035	WIND VELOCITY (MILES PER HOUR)	17	5.	6.941	15.	0.5	11.715	3.423	4.1	5.	10.	11.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	7.28	7.175	10.36	3.	3.379	1.838	4.35	6.188	9.	9.217
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54400.	44272.563	56100.	51.	482418133.729	21964.019	53.8	52500.	55325.	55750.
00300	OXYGEN, DISSOLVED MG/L	19	6.4	6.547	8.	5.9	0.233	0.482	6.1	6.2	6.7	7.2
00406	PH, FIELD, STANDARD UNITS SU	18	7.835	7.824	8.99	7.38	0.207	0.455	7.389	7.41	8.16	8.36
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.835	7.657	8.99	7.38	0.237	0.487	7.389	7.41	8.16	8.36
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.015	0.022	0.042	0.001	0.	0.016	0.005	0.007	0.039	0.041
00480	SALINITY - PARTS PER THOUSAND	16	36.3	35.975	37.2	33.8	0.923	0.961	34.36	35.075	36.675	36.99
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.3	0.345	1.2	0.02	0.079	0.281	0.076	0.125	0.4	0.85
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	7.3	7.389	10.4	3.	3.101	1.761	5.	6.3	9.	9.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0039

NPS Station ID: VIIS0039
 Location: FRANCIS BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.365559/ -64.745560

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-72C
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0039

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.7	29.	28.1	0.27	0.52	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.4	6.475	7.	6.1	0.169	0.411	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.55	33.55	33.9	33.2	0.245	0.495	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	24.	24.	34.	14.	200.	14.142	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.08	0.153	0.35	0.03	0.03	0.172	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.019	0.018	0.025	0.01	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	3	3.	9.867	24.	2.6	149.853	12.241	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	2 ##	5.25	5.25	7.	3.5	6.125	2.475	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	141.	141.	280.	2.	38642.	196.576	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	1	320.	320.	320.	320.	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.	0.5	2.	0.	1.	1.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.	0.075	0.301	0.	0.023	0.151	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.189								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	0.45	0.45	0.8	0.1	0.245	0.495	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0039

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0039

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	2.9	1	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0040

NPS Station ID: VIIS0040
 Location: REEF BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.323031/ -64.747309

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_REBA21
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	28.6	28.598	31.2	26.1	1.853	1.361	26.77	27.3	29.8	30.33
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	30.	40.523	100.	0.	738.097	27.168	10.	20.	60.	92.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	64	7.5	7.594	17.5	0.5	13.285	3.645	5.	5.	10.	13.75
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	64.65	61.743	83.9	7.9	264.356	16.259	41.58	56.975	71.05	81.53
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	63	3.05	3.988	9.3	2.	3.352	1.831	2.	2.5	4.88	6.84
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	53750.	45824.683	55900.	51.	376982535.135	19416.038	54.	52425.	54575.	55190.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	7.9	7.868	10.7	6.2	0.556	0.745	6.97	7.3	8.3	8.63
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	58	7.87	7.851	8.91	7.26	0.155	0.394	7.399	7.448	8.192	8.312
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	58	7.87	7.699	8.91	7.26	0.178	0.422	7.399	7.448	8.192	8.312
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	58	0.013	0.02	0.055	0.001	0.	0.015	0.005	0.006	0.036	0.04
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	35.7	35.526	37.	33.1	0.804	0.897	34.22	35.05	36.2	36.58
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.011	0.01	0.02	0.002	0.	0.005	0.003	0.005	0.013	0.018
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.004	0.001	0.	0.001	0.001	0.001	0.002	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.002	0.004	0.	0.	0.001	0.001	0.001	0.004	0.004
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.004	0.006	0.002	0.	0.002	0.002	0.002	0.005	0.006
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.008	0.001	0.	0.003	0.001	0.002	0.008	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.4	0.499	1.7	0.06	0.088	0.297	0.2	0.3	0.6	0.9
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	3.1	4.009	9.3	2.	3.234	1.798	2.18	2.5	4.9	6.84

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0040

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	58	0	0.00	26	0	0.00	15	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	58	0	0.00	26	0	0.00	15	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	29	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	28.211	30.	26.4	1.784	1.336	26.4	26.95	29.65	30.
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	43.222	99.	10.	917.194	30.285	10.	20.	70.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	7.778	15.	5.	19.444	4.41	5.	5.	12.5	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.	2.722	3.	2.	0.194	0.441	2.	2.25	3.	3.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	53800.	53850.	54200.	53600.	90000.	300.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	7.9	7.789	8.6	6.5	0.446	0.668	6.5	7.3	8.3	8.6
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.4	35.06	35.7	33.1	1.223	1.106	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.457	1.7	0.1	0.33	0.574	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	2.833	3.	2.	0.125	0.354	2.	2.75	3.	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	28.7	27.914	29.2	26.1	1.748	1.322	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	30.	43.571	95.	0.	1072.619	32.751	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	6.429	10.	5.	5.952	2.44	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	57.1	60.3	77.2	46.6	241.77	15.549	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	2.5	2.571	3.5	2.	0.452	0.673	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52400.	52442.857	53700.	51200.	672857.143	820.279	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	7.8	7.843	8.7	7.	0.45	0.67	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.5	34.557	35.5	33.6	0.386	0.621	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.45	0.5	0.9	0.3	0.052	0.228	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	2.5	2.571	3.5	2.	0.452	0.673	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	29.3	28.882	31.1	26.8	1.978	1.406	26.88	27.4	30.	30.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	52.273	95.	20.	556.818	23.597	22.	40.	70.	94.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	7.273	10.	5.	6.818	2.611	5.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	11	58.	56.291	76.1	24.	225.145	15.005	28.26	46.8	69.	75.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	2.75	2.768	3.5	2.	0.194	0.44	2.05	2.5	3.	3.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54100.	54136.364	55200.	53300.	356545.455	597.114	53340.	53600.	54600.	55120.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	8.1	8.018	8.6	6.8	0.222	0.471	7.	7.8	8.3	8.54
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.8	35.809	36.5	35.2	0.161	0.401	35.24	35.5	36.2	36.44
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.5	0.522	0.7	0.3	0.014	0.12	0.3	0.45	0.6	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	3.	2.873	3.5	2.3	0.128	0.358	2.34	2.5	3.	3.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.6	28.57	30.6	26.7	1.916	1.384	26.72	27.35	29.85	30.54
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	35.	37.	70.	10.	351.111	18.738	11.	23.75	52.5	69.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	7.5	7.25	11.	4.	6.125	2.475	4.1	5.	10.	10.9
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	60.85	55.58	75.	18.1	287.968	16.97	19.58	50.675	63.925	74.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	3.5	4.163	9.3	2.	5.911	2.431	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54500.	53933.333	55900.	51200.	2517500.	1586.663	51200.	52600.	55300.	55900.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	8.35	8.53	10.7	6.2	1.367	1.169	6.38	8.075	9.3	10.56
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.1	35.611	36.9	33.6	1.306	1.143	33.6	34.65	36.6	36.9
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	8	0.9	0.825	1.2	0.5	0.071	0.266	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.75	3.83	9.3	2.	5.089	2.256	2.05	2.5	4.5	8.97

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.4	28.809	31.2	26.5	2.251	1.5	26.6	27.3	30.	31.04
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	37.5	36.	65.	10.	271.111	16.465	11.	23.75	50.	63.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.222	12.5	0.5	13.069	3.615	0.5	4.	8.75	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	74.05	72.32	83.5	53.3	111.417	10.555	53.97	64.575	81.725	83.36
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	6.71	5.767	8.	2.	3.983	1.996	2.1	4.387	7.125	7.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54400.	54181.818	55100.	52400.	681636.364	825.613	52580.	53800.	54900.	55100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	7.6	7.6	8.3	6.7	0.28	0.529	6.74	7.3	8.1	8.26
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.	35.791	36.5	34.5	0.377	0.614	34.62	35.4	36.3	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.45	0.466	1.1	0.06	0.077	0.277	0.084	0.3	0.6	1.05
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	6.75	5.96	8.	2.	3.203	1.79	2.28	4.875	7.125	7.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.9	28.889	30.6	26.8	2.266	1.505	26.8	27.35	30.35	30.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	37.222	95.	5.	969.444	31.136	5.	10.	65.	95.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	8.	8.	10.	5.	3.75	1.936	5.	6.5	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	69.	49.467	71.5	7.9	1297.403	36.019	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	4.57	4.742	7.01	2.44	3.464	1.861	2.44	2.745	6.555	7.01
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54400.	54400.	55400.	53100.	762500.	873.212	53100.	53500.	55250.	55400.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	7.8	7.667	8.3	6.5	0.33	0.574	6.5	7.3	8.2	8.3
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.989	36.7	35.	0.426	0.653	35.	35.35	36.65	36.7
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.356	0.5	0.2	0.01	0.101	0.2	0.25	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.6	4.744	7.	2.4	3.47	1.863	2.4	2.75	6.55	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.4	28.656	30.2	27.1	1.405	1.185	27.1	27.45	29.8	30.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	33.333	100.	5.	1500.	38.73	5.	7.5	65.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	10.056	17.5	0.5	37.84	6.151	0.5	3.75	15.	17.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	65.8	68.078	83.9	62.3	40.834	6.39	62.3	64.65	69.2	83.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	4.85	4.958	6.67	3.64	0.799	0.894	3.64	4.55	5.47	6.67
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.444	56.	51.	2.778	1.667	51.	52.	54.5	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	7.3	7.578	9.2	7.1	0.412	0.642	7.1	7.25	7.7	9.2
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.7	35.322	37.	33.6	1.267	1.126	33.6	34.3	36.15	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.4	0.8	0.3	0.033	0.18	0.3	0.3	0.5	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.9	4.989	6.7	3.6	0.821	0.906	3.6	4.6	5.5	6.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	31	29.8	29.465	31.2	27.4	1.091	1.045	27.84	28.4	30.2	30.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	30	40.	45.467	100.	5.	919.292	30.32	10.	22.5	70.	98.6
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	31	5.	6.581	12.5	0.5	8.118	2.849	3.2	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	30	3.5	4.084	9.3	2.	3.923	1.981	2.025	2.5	5.137	7.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	30	53800.	46663.733	55400.	51.	346744171.857	18621.068	54.	52475.	54400.	54980.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	31	7.9	7.748	9.2	6.2	0.489	0.699	6.54	7.3	8.2	8.54
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	26	7.89	7.836	8.37	7.26	0.14	0.374	7.387	7.41	8.192	8.296
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	26	7.89	7.69	8.37	7.26	0.162	0.403	7.387	7.41	8.192	8.296
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	26	0.013	0.02	0.055	0.004	0.	0.016	0.005	0.006	0.039	0.041
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	30	35.7	35.493	36.7	33.6	0.679	0.824	33.69	35.175	36.025	36.29
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	29	0.5	0.585	1.7	0.06	0.127	0.356	0.2	0.3	0.75	1.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	30	3.55	4.217	9.3	2.	3.675	1.917	2.4	2.725	5.175	7.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	16	26.9	26.881	27.6	26.1	0.175	0.418	26.24	26.55	27.275	27.39
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	16	27.5	33.438	95.	5.	442.396	21.033	15.5	20.	40.	70.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	15	10.	8.233	15.	5.	9.674	3.11	5.	5.	10.	12.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	14	3.	3.841	6.9	2.	3.156	1.777	2.	2.5	5.328	6.805
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	14	53250.	46129.143	55100.	53.	381840487.978	19540.739	54.	52625.	54725.	55100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	16	7.75	7.856	9.3	7.	0.371	0.609	7.21	7.4	8.25	9.02
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	15	7.87	7.847	8.52	7.42	0.113	0.337	7.438	7.53	8.1	8.376
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	15	7.87	7.74	8.52	7.42	0.126	0.355	7.438	7.53	8.1	8.376
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	15	0.013	0.018	0.038	0.003	0.	0.012	0.004	0.008	0.03	0.036
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	15	35.2	35.387	36.5	33.1	0.838	0.916	33.94	35.	36.2	36.38
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	13	0.3	0.423	0.9	0.2	0.039	0.196	0.24	0.3	0.6	0.78
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	16	3.	3.681	6.9	2.	2.956	1.719	2.	2.5	4.825	6.76

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	19	28.7	28.632	30.	26.9	0.813	0.902	27.2	27.7	29.4	29.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	19	40.	38.684	95.	0.	685.673	26.185	5.	10.	50.	80.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	18	7.5	8.806	17.5	0.5	23.151	4.812	4.55	5.	15.	15.25
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	19	3.25	3.944	7.01	2.	2.913	1.707	2.	2.5	5.	6.75
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	16	53800.	43985.063	55900.	51.	476393138.863	21826.432	53.1	51950.	55125.	55690.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	19	8.1	8.074	10.7	6.8	0.813	0.902	7.	7.3	8.6	9.3
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	17	7.84	7.876	8.91	7.35	0.233	0.483	7.398	7.44	8.28	8.518
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	17	7.84	7.68	8.91	7.35	0.274	0.524	7.398	7.44	8.28	8.518
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	17	0.014	0.021	0.045	0.001	0.	0.016	0.003	0.005	0.036	0.04
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	16	35.7	35.719	37.	33.8	1.06	1.03	34.08	34.875	36.65	36.93
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	16	0.4	0.406	0.9	0.1	0.039	0.198	0.1	0.3	0.5	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	19	3.3	3.958	7.	2.	2.943	1.715	2.	2.5	5.	6.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0041

NPS Station ID: VIIS0041
 Location: GENTI BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.324170/ -64.747782

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): V1-60 /STJ-10 /STJ49(VIHD)
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	2	29.2	29.2	29.4	29.	0.08	0.283	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	3	7.5	7.567	8.9	6.3	1.693	1.301	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.1	33.1	33.2	33.	0.02	0.141	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	30.5	30.5	31.	30.	0.5	0.707	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2	0.265	0.265	0.5	0.03	0.11	0.332	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.015	0.015	0.017	0.013	0.	0.003	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.85	2.85	3.5	2.2	0.845	0.919	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,35C	11/15/72-11/09/79	3	0.	8.667	26.	0.	225.333	15.011	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,3	11/15/72-11/09/79	3	0.	0.472	1.415	0.	0.667	0.817	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,3	GEOMETRIC MEAN =			2.962								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0041

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0042

NPS Station ID: VIIS0042
 Location: REEF BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN - 100 FT OFF
 Minor Basin: NO SHORE AT GENTI BAY-DEPTH 2/2.5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.325282/ -64.748337

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 49 /STJ49
 Within Park Boundary: Yes

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-01/23/86	37	28.3	28.022	31.5	24.2	2.987	1.728	25.4	27.	29.15	29.94
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	33	0.4	0.7	7.4	0.2	1.531	1.237	0.2	0.3	0.65	1.06
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-01/23/86	37	2.	1.351	2.5	0.	1.456	1.207	0.	0.	2.5	2.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	15	7.	7.1	8.7	5.9	0.531	0.729	6.14	6.7	7.4	8.52
00300	OXYGEN, DISSOLVED MG/L	01/03/73-01/23/86	22	7.15	7.495	10.4	5.8	1.273	1.128	6.29	6.85	8.2	9.47
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	31	8.3	8.255	8.55	8.	0.014	0.119	8.1	8.2	8.35	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	31	8.3	8.239	8.55	8.	0.014	0.12	8.1	8.2	8.35	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	31	0.005	0.006	0.01	0.003	0.	0.002	0.004	0.004	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-01/23/86	35	35.6	35.694	39.	34.2	0.803	0.896	34.64	35.2	36.1	36.74
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/86-01/23/86	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/23/86-01/23/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/86-01/23/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/86-01/23/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-01/23/86	36	0.	0.292	5.	0.	0.92	0.959	0.	0.	0.	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-01/23/86	36	0.	-0.009	0.699	-0.301	0.033	0.183	0.	0.	0.	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.979								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-01/23/86	8	0.3	0.359	0.9	0.04	0.113	0.336	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

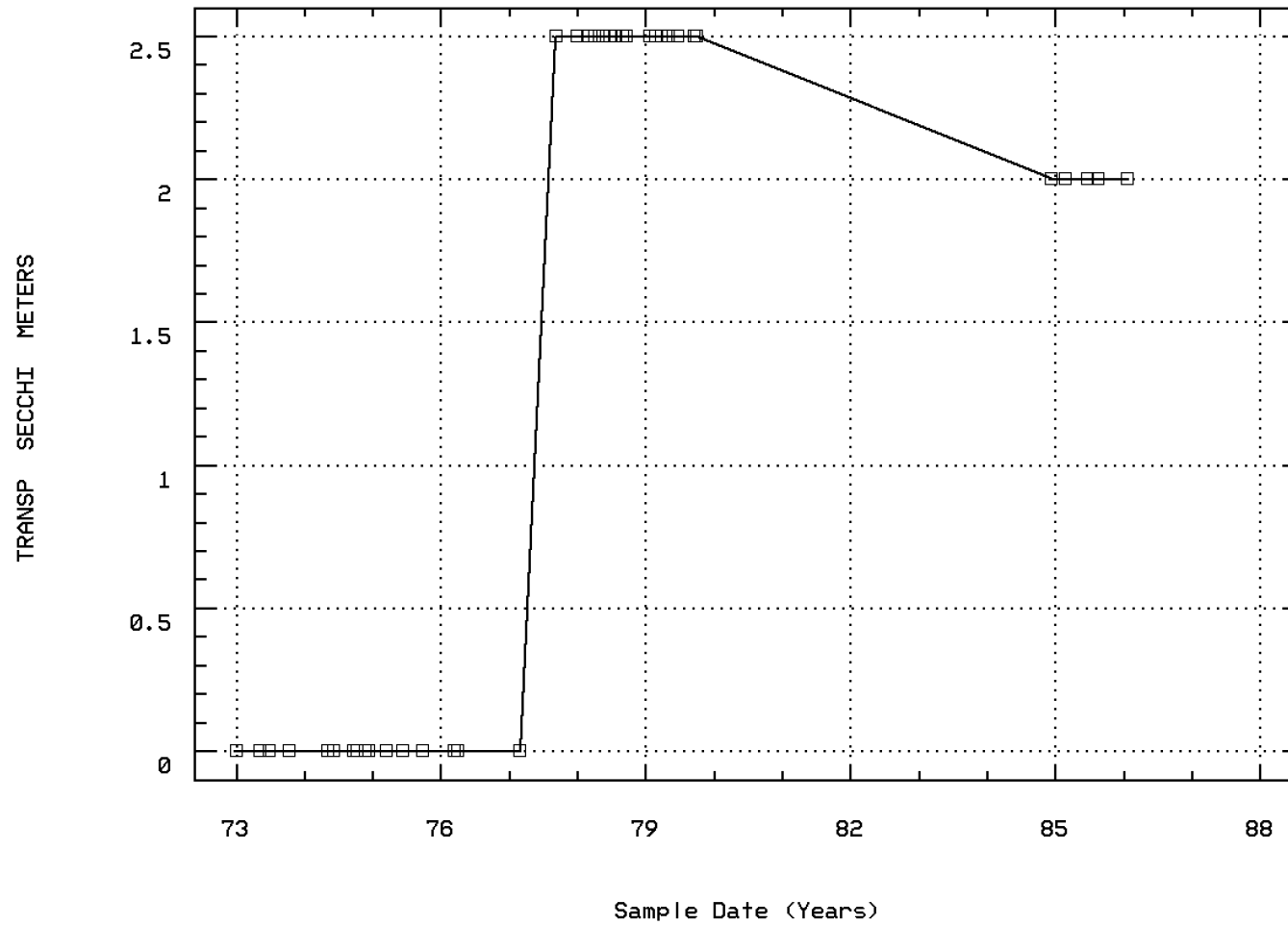
EPA Water Quality Criteria Analysis for Station: VIIS0042

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	33	0	0.00	13	0	0.00	7	0	0.00	13	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	22	0	0.00	9	0	0.00	5	0	0.00	8	0	0.00		
00400	PH	Other-Hi Lim.	9.	31	0	0.00	11	0	0.00	7	0	0.00	13	0	0.00		
		Other-Lo Lim.	6.5	31	0	0.00	11	0	0.00	7	0	0.00	13	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	36	0	0.00	13	0	0.00	9	0	0.00	14	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0042 Parameter Code: 00078

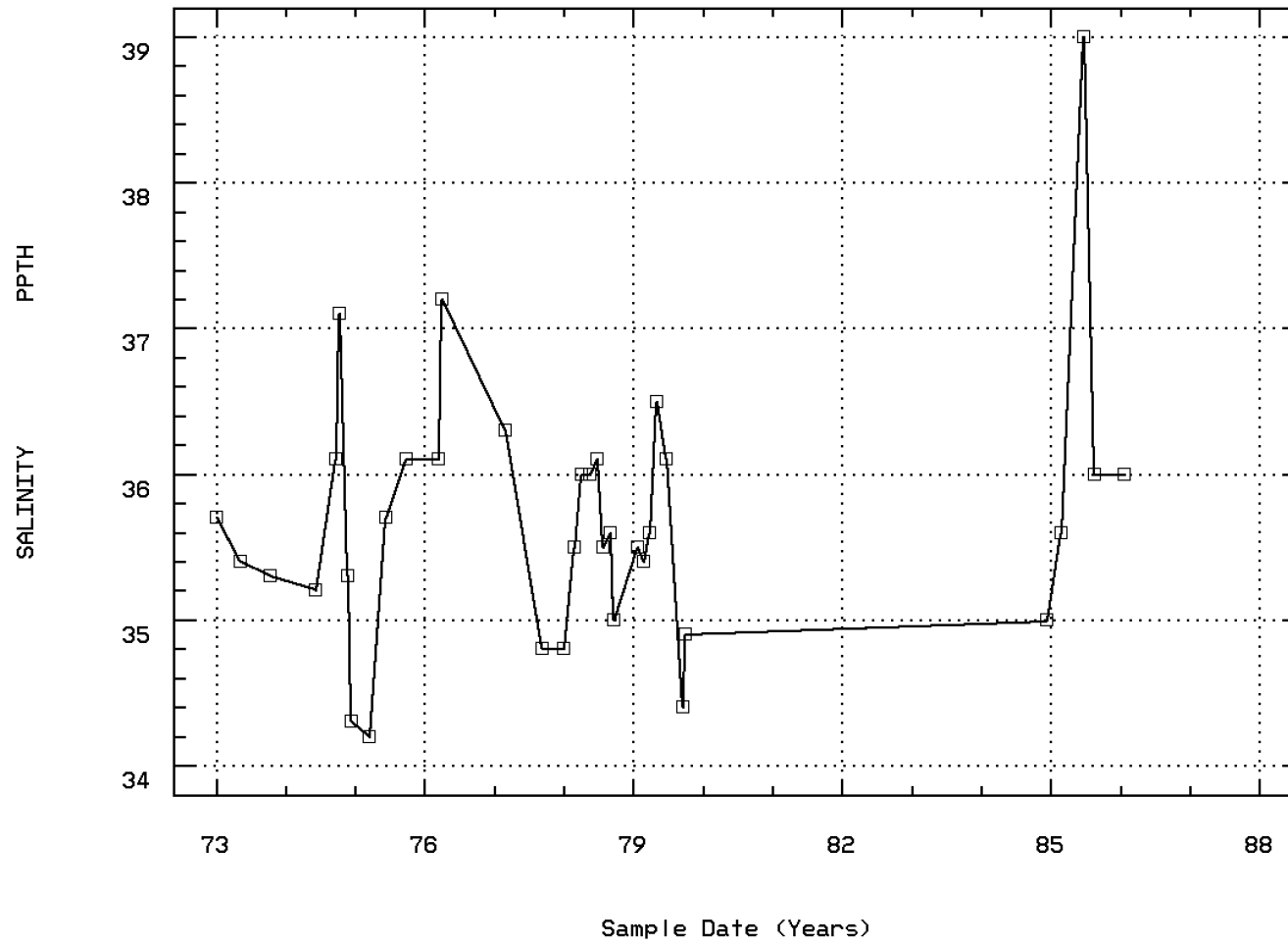
TRANSPARENCY, SECCHI DISC (METERS)



REEF BAY

Station: VIIS0042 Parameter Code: 00480

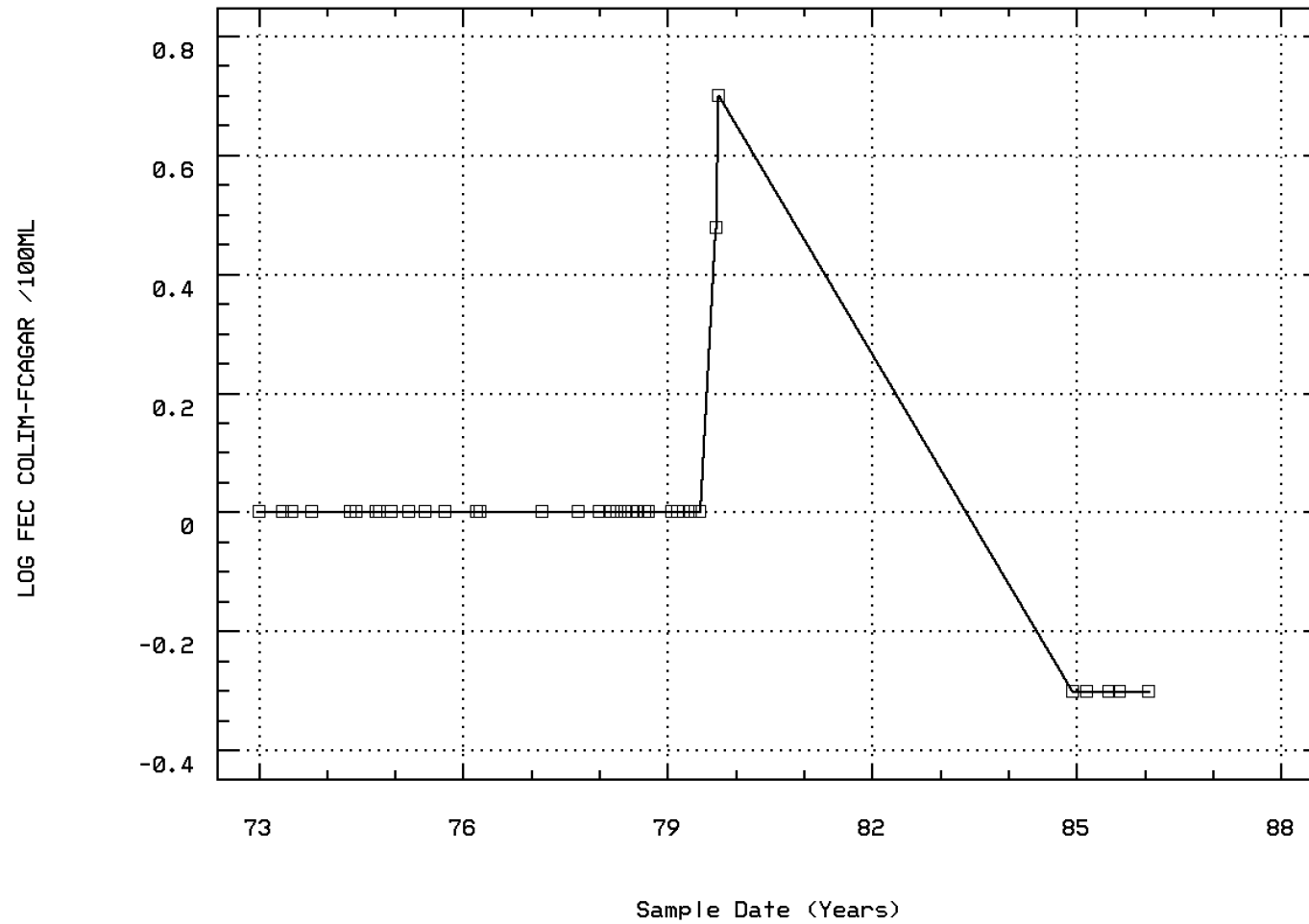
SALINITY - PARTS PER THOUSAND



REEF BAY

Station: VIIS0042 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



REEF BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	13	0.3	0.915	7.4	0.2	3.813	1.953	0.24	0.3	0.5	4.72
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-01/23/86	14	2.	1.357	2.5	0.	1.516	1.231	0.	0.	2.5	2.5
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.3	8.25	8.35	8.1	0.006	0.077	8.11	8.2	8.3	8.34
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	11	8.3	8.243	8.35	8.1	0.006	0.078	8.11	8.2	8.3	8.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	11	0.005	0.006	0.008	0.004	0.	0.001	0.005	0.005	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-01/23/86	14	35.3	35.386	37.1	34.3	0.572	0.756	34.35	34.875	36.025	36.6
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-01/23/86	13	0.	0.692	5.	0.	2.356	1.535	0.	0.	0.5	4.2
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-01/23/86	13	0.	0.044	0.699	-0.301	0.073	0.27	0.	0.	-0.301	0.61
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.107								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	7	0.6	0.6	1.5	0.2	0.193	0.44	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-01/23/86	9	2.	1.556	2.5	0.	1.403	1.184	0.	0.	2.5	2.5
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	7	8.25	8.243	8.55	8.	0.036	0.19	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	7	8.25	8.209	8.55	8.	0.038	0.194	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	7	0.006	0.006	0.01	0.003	0.	0.003	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-01/23/86	9	35.5	35.444	36.3	34.2	0.388	0.623	34.2	35.1	35.85	36.3
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-01/23/86	9	0.	0.111	0.5	0.	0.049	0.22	0.	0.	0.25	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-01/23/86	9	0.	-0.067	0.	-0.301	0.018	0.133	0.	0.	-0.151	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.857								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

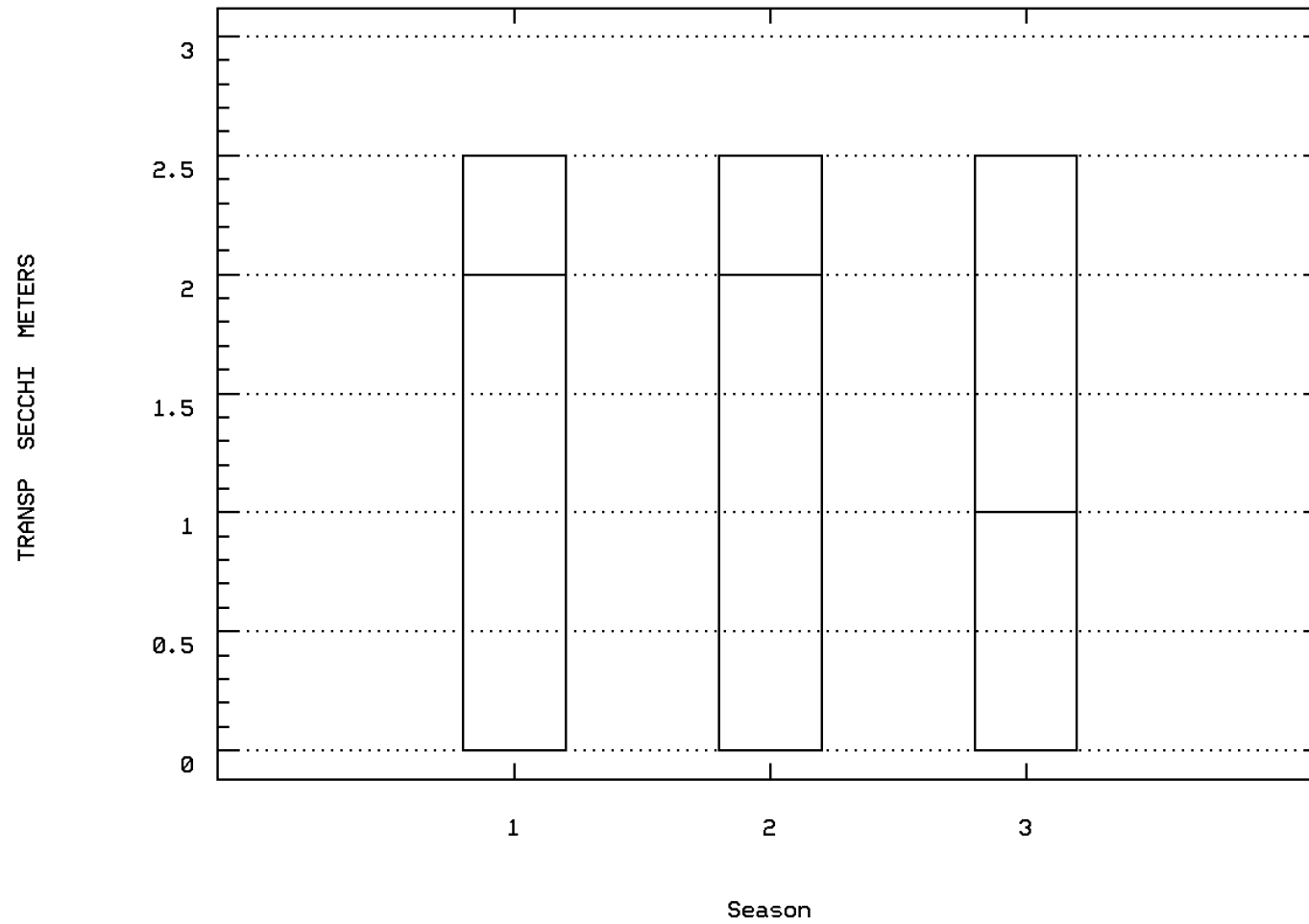
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	13	0.5	0.538	1.1	0.2	0.088	0.296	0.2	0.3	0.75	1.06
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-01/23/86	14	1.	1.214	2.5	0.	1.604	1.267	0.	0.	2.5	2.5
00400	PH (STANDARD UNITS)	01/03/73-10/02/79	13	8.3	8.265	8.4	8.05	0.012	0.109	8.09	8.2	8.375	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/02/79	13	8.3	8.253	8.4	8.05	0.012	0.11	8.09	8.2	8.375	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/02/79	13	0.005	0.006	0.009	0.004	0.	0.001	0.004	0.004	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-01/23/86	12	36.05	36.242	39.	35.2	1.024	1.012	35.26	35.625	36.4	38.46
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-01/23/86	14	0.	0.036	0.5	0.	0.018	0.134	0.	0.	0.	0.25
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-01/23/86	14	0.	-0.022	0.	-0.301	0.006	0.08	0.	0.	0.	-0.151
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.952								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0042 Parameter Code: 00078

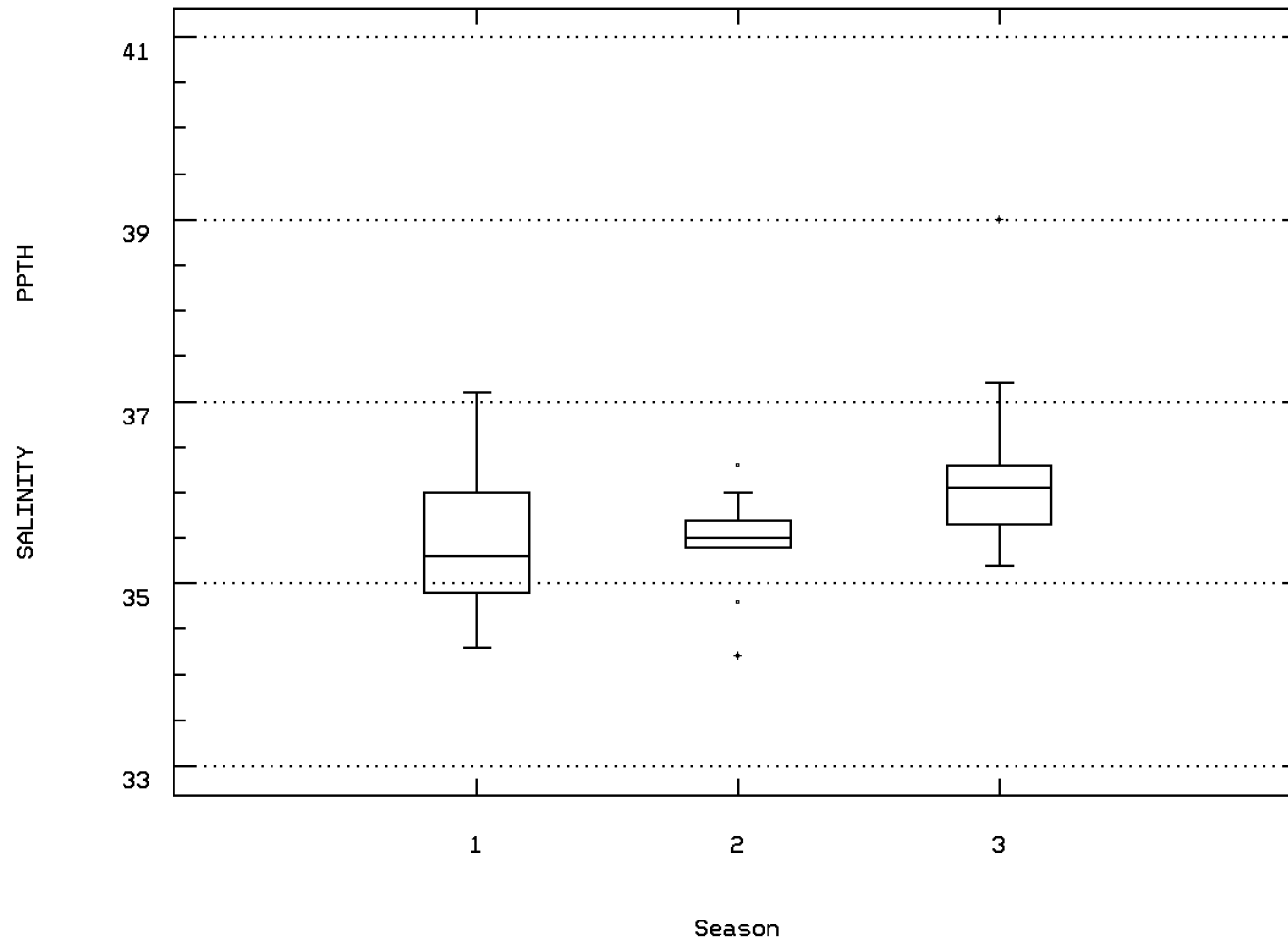
TRANSPARENCY, SECCHI DISC (METERS)



REEF BAY

Station: VIIS0042 Parameter Code: 00480

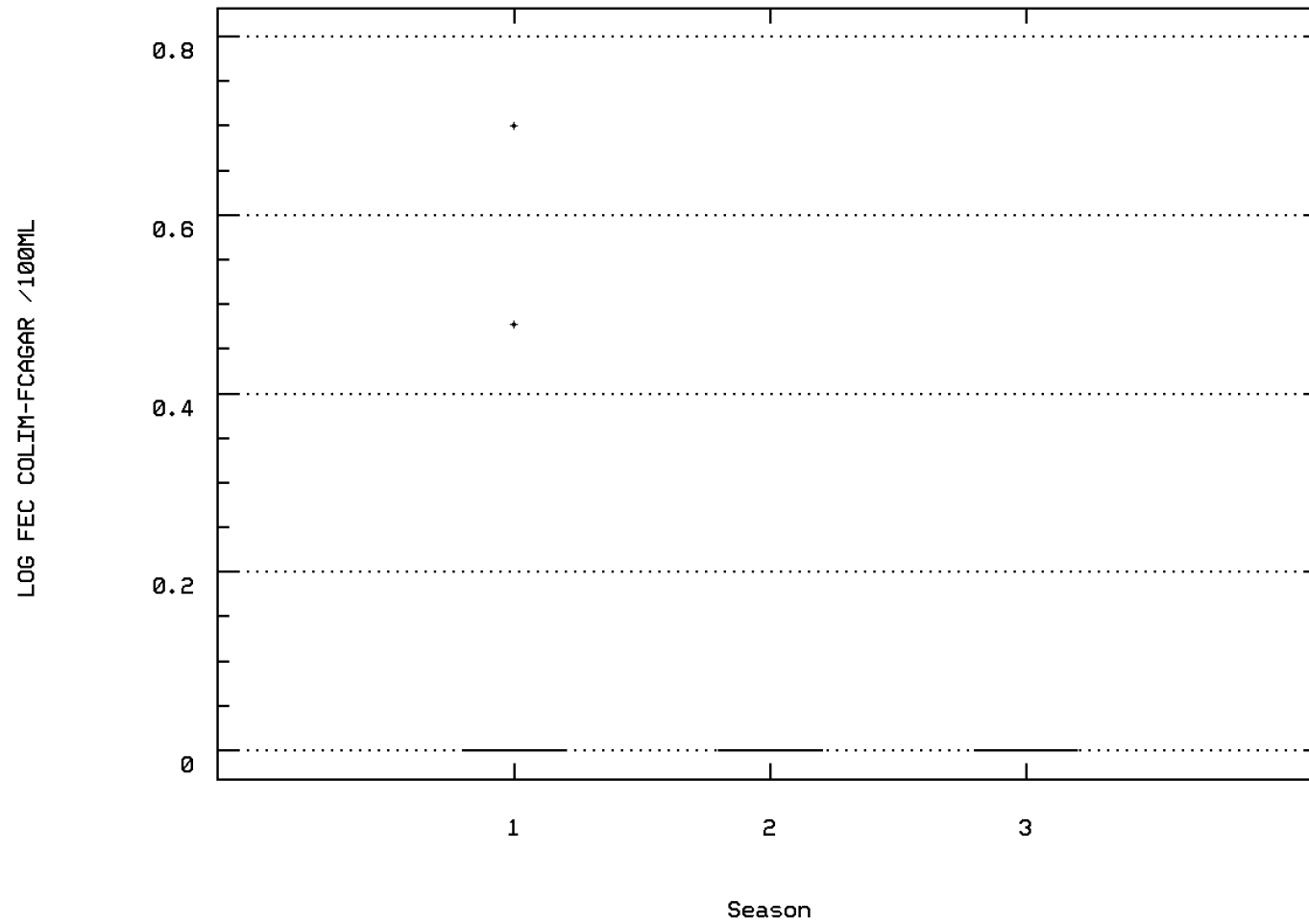
SALINITY - PARTS PER THOUSAND



REEF BAY

Station: VIIS0042 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



REEF BAY

Station Inventory for Station: VIIS0043

NPS Station ID: VIIS0043
 Location: REEF BAY 100 F OFF N SHORE AT GENTI 2/2.5 M
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.325282/ -64.748337

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-49
 Within Park Boundary: Yes

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0043

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	11	27.5	28.3	30.2	26.7	1.852	1.361	26.7	27.3	29.8	30.14
00032 CLOUD COVER (PERCENT)	11/07/79-11/06/80	11	35.	32.455	60.	3.	346.073	18.603	4.8	12.	45.	60.
00035 WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	11	11.	10.455	13.	5.	7.873	2.806	5.6	8.	13.	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	11	2.3	2.664	4.	1.5	0.645	0.803	1.66	2.3	3.5	4.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	11	7.4	7.818	10.9	6.3	1.838	1.356	6.38	6.9	8.4	10.6
00400 PH (STANDARD UNITS)	11/07/79-11/06/80	11	8.2	8.168	8.25	8.	0.005	0.072	8.02	8.1	8.2	8.24
00400 CONVERTED PH (STANDARD UNITS)	11/07/79-11/06/80	11	8.2	8.162	8.25	8.	0.005	0.072	8.02	8.1	8.2	8.24
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/07/79-11/06/80	11	0.006	0.007	0.01	0.006	0.	0.001	0.006	0.006	0.008	0.01
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	11	35.9	35.755	36.7	34.7	0.375	0.612	34.72	35.5	36.1	36.66
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/06/80	11 ##	0.5	8.	83.	0.5	618.75	24.875	0.5	0.5	0.5	66.5
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/06/80	11 ##	-0.301	-0.099	1.919	-0.301	0.448	0.669	-0.301	-0.301	-0.301	1.475
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.796								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	11	0.9	1.018	3.3	0.3	0.654	0.808	0.34	0.6	1.2	2.88

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0043

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0044

NPS Station ID: VIIS0044
 Location: CINNAMON BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.354587/ -64.756420

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_CIBA07
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.55	27.359	29.2	25.1	1.471	1.213	25.7	26.175	28.425	28.83
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	40.	47.394	100.	5.	761.566	27.596	14.1	30.	70.	95.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	5.	6.25	18.	0.	12.456	3.529	1.7	5.	8.25	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	74.9	72.976	99.2	7.	207.351	14.4	61.28	66.2	81.125	86.4
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	3.5	3.639	5.75	1.	0.847	0.921	2.5	3.	4.12	5.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54250.	46146.383	56100.	51.	382203292.444	19550.02	55.	52775.	54875.	55390.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.3	6.424	8.	5.9	0.199	0.446	6.	6.1	6.6	7.03
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	64	7.85	7.79	8.98	7.25	0.118	0.343	7.37	7.42	8.068	8.18
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	64	7.85	7.672	8.98	7.25	0.132	0.363	7.37	7.42	8.068	8.18
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	64	0.014	0.021	0.056	0.001	0.	0.015	0.007	0.009	0.038	0.043
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.1	35.808	37.3	33.5	0.732	0.856	34.62	35.2	36.3	36.7
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.011	0.011	0.024	0.002	0.	0.006	0.002	0.005	0.014	0.022
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.003	0.	0.	0.001	0.	0.	0.001	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.005	0.	0.	0.001	0.001	0.001	0.004	0.005
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.004	0.006	0.002	0.	0.001	0.002	0.003	0.005	0.006
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.008	0.002	0.	0.002	0.002	0.003	0.006	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.3	0.339	1.3	0.1	0.037	0.193	0.2	0.2	0.4	0.6
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	3.6	3.802	9.	2.	1.087	1.042	2.92	3.	4.1	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0044

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			
	Other-Lo Lim.	6.5	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	29	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.6	27.211	28.4	25.5	1.471	1.213	25.5	25.75	28.25	28.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	60.	61.444	99.	10.	1087.278	32.974	10.	32.5	97.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.667	10.	5.	6.25	2.5	5.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	3.	2.969	3.5	2.5	0.151	0.388	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54450.	54425.	54800.	54000.	122500.	350.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.178	6.5	5.9	0.037	0.192	5.9	6.	6.3	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.87	7.94	8.28	7.7	0.039	0.196	7.7	7.795	8.135	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.87	7.904	8.28	7.7	0.04	0.2	7.7	7.795	8.135	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.013	0.012	0.02	0.005	0.	0.005	0.005	0.007	0.016	0.02
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.9	35.5	36.3	33.5	1.3	1.14	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.243	0.5	0.1	0.016	0.127	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	3.033	3.5	2.5	0.16	0.4	2.5	2.65	3.5	3.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	26.8	26.7	28.8	25.1	1.84	1.356	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	30.	48.286	98.	20.	980.571	31.314	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	5.714	10.	0.	11.905	3.45	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	59.6	48.933	80.2	7.	1424.893	37.748	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	3.	2.5	3.	1.	0.583	0.764	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52600.	52700.	53700.	52000.	286666.667	535.413	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.5	6.457	6.7	6.1	0.05	0.223	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	7	7.39	7.497	7.87	7.25	0.051	0.226	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	7	7.39	7.453	7.87	7.25	0.053	0.231	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	7	0.041	0.035	0.056	0.013	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.7	34.814	35.6	34.3	0.165	0.406	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.4	1.3	0.1	0.204	0.452	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	3.	3.071	4.	2.5	0.202	0.45	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	27.664	29.2	25.5	1.727	1.314	25.54	26.3	28.7	29.16
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	52.727	95.	25.	646.818	25.433	26.	30.	80.	94.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	7.273	15.	5.	11.818	3.438	5.	5.	10.	14.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	11	75.9	71.4	82.6	40.5	137.646	11.732	45.28	66.3	79.5	82.26
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	3.6	3.486	4.5	2.	0.47	0.685	2.2	3.	4.	4.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54500.	54500.	55400.	53400.	310000.	556.776	53540.	54200.	54700.	55380.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.3	6.382	6.7	6.	0.08	0.282	6.02	6.1	6.7	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.39	7.393	7.44	7.35	0.001	0.029	7.354	7.37	7.42	7.438
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.39	7.392	7.44	7.35	0.001	0.029	7.354	7.37	7.42	7.438
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.041	0.041	0.045	0.036	0.	0.003	0.036	0.038	0.043	0.044
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.1	36.109	36.8	35.3	0.173	0.416	35.4	35.9	36.3	36.78
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.4	0.43	0.7	0.2	0.029	0.17	0.2	0.275	0.6	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	3.6	3.5	4.5	2.	0.468	0.684	2.2	3.	4.	4.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.55	27.44	29.	25.7	1.649	1.284	25.71	26.1	28.85	29.
00032	CLOUD COVER (PERCENT)	10	47.5	49.5	95.	5.	713.611	26.714	6.5	31.25	71.25	93.
00035	WIND VELOCITY (MILES PER HOUR)	10	7.	6.45	10.	2.5	8.136	2.852	2.5	3.625	9.25	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	68.55	68.78	77.	62.	30.795	5.549	62.01	63.6	73.4	76.76
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	4.5	4.179	5.5	2.5	1.265	1.125	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	54288.889	56100.	51800.	2023611.111	1422.537	51800.	53050.	55500.	56100.
00300	OXYGEN, DISSOLVED MG/L	10	6.6	6.74	7.9	5.9	0.525	0.724	5.91	6.075	7.4	7.88
00406	PH, FIELD, STANDARD UNITS SU	10	7.48	7.565	7.95	7.37	0.045	0.211	7.37	7.4	7.775	7.94
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.478	7.525	7.95	7.37	0.047	0.216	7.37	7.4	7.775	7.94
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.033	0.03	0.043	0.011	0.	0.012	0.012	0.017	0.04	0.043
00480	SALINITY - PARTS PER THOUSAND	9	36.3	35.922	37.3	34.1	1.112	1.054	34.1	35.	36.8	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.411	0.6	0.2	0.024	0.154	0.2	0.3	0.6	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.25	4.63	9.	2.5	3.202	1.79	2.55	3.6	5.125	8.65

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.5	27.364	29.	25.7	1.319	1.148	25.72	26.3	28.3	28.94
00032	CLOUD COVER (PERCENT)	11	40.	42.273	80.	30.	221.818	14.894	30.	30.	45.	75.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.5	6.182	15.	0.5	21.214	4.606	0.6	1.	7.5	14.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	77.95	76.19	87.3	54.	109.019	10.441	55.1	70.325	85.075	87.28
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	4.12	4.259	5.75	3.4	0.517	0.719	3.41	3.65	4.625	5.675
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54800.	54490.909	55200.	53000.	522909.091	723.125	53080.	53900.	55000.	55160.
00300	OXYGEN, DISSOLVED MG/L	11	6.5	6.618	8.	5.9	0.334	0.578	5.94	6.3	7.	7.82
00406	PH, FIELD, STANDARD UNITS SU	10	7.95	7.965	8.21	7.77	0.022	0.15	7.773	7.815	8.092	8.199
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.947	7.942	8.21	7.77	0.023	0.152	7.773	7.815	8.092	8.199
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.011	0.011	0.017	0.006	0.	0.004	0.006	0.008	0.015	0.017
00480	SALINITY - PARTS PER THOUSAND	11	36.2	36.045	36.6	34.9	0.291	0.539	34.98	35.6	36.4	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.322	0.5	0.2	0.009	0.097	0.2	0.25	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.1	4.26	5.8	3.4	0.534	0.731	3.41	3.65	4.625	5.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.2	27.478	28.9	25.7	1.644	1.282	25.7	26.3	28.75	28.9
00032	CLOUD COVER (PERCENT)	9	35.	38.333	100.	5.	987.5	31.425	5.	10.	60.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	4.222	5.	0.	2.944	1.716	0.	4.	5.	5.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	92.8	88.4	99.2	73.2	183.52	13.547	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.96	3.928	4.88	3.35	0.314	0.56	3.35	3.35	4.42	4.88
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	55200.	54911.111	55900.	53600.	763611.111	873.848	53600.	54000.	55700.	55900.
00300	OXYGEN, DISSOLVED MG/L	9	6.1	6.222	6.7	5.9	0.077	0.277	5.9	6.05	6.5	6.7
00406	PH, FIELD, STANDARD UNITS SU	9	7.98	8.004	8.25	7.87	0.017	0.13	7.87	7.9	8.11	8.25
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.98	7.989	8.25	7.87	0.017	0.131	7.87	7.9	8.11	8.25
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.01	0.01	0.013	0.006	0.	0.003	0.006	0.008	0.013	0.013
00480	SALINITY - PARTS PER THOUSAND	9	36.3	36.311	37.1	35.5	0.321	0.567	35.5	35.75	36.8	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.2	0.267	0.5	0.1	0.018	0.132	0.1	0.2	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.	3.967	4.9	3.4	0.303	0.55	3.4	3.4	4.45	4.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.9	27.433	28.6	25.6	1.232	1.11	25.6	26.25	28.35	28.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	39.111	100.	10.	1015.861	31.873	10.	13.5	65.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.889	18.	1.	25.611	5.061	1.	3.5	9.	18.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	81.8	78.867	86.1	67.6	51.543	7.179	67.6	71.	84.25	86.1
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.64	3.909	5.45	3.03	0.828	0.91	3.03	3.34	4.695	5.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.667	55.	51.	2.25	1.5	51.	52.5	55.	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.311	6.6	6.	0.051	0.226	6.	6.1	6.55	6.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.12	8.241	8.98	8.03	0.096	0.31	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.12	8.178	8.98	8.03	0.1	0.317	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.008	0.007	0.009	0.001	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.478	36.6	33.8	1.157	1.076	33.8	34.45	36.35	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.289	0.5	0.2	0.011	0.105	0.2	0.2	0.35	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.6	3.911	5.5	3.	0.871	0.933	3.	3.35	4.7	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.339	29.2	26.8	0.353	0.594	27.32	28.	28.8	29.
00032	CLOUD COVER (PERCENT)	31	35.	43.194	100.	5.	742.161	27.243	11.	25.	60.	94.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	5.855	18.	0.	14.953	3.867	1.2	4.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.96	3.869	5.75	2.	0.897	0.947	2.5	3.14	4.5	5.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54350.	47087.167	55900.	52.	353032193.868	18789.151	55.	52925.	54800.	55480.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.19	6.7	5.9	0.048	0.218	5.9	6.	6.3	6.5
00406	PH, FIELD, STANDARD UNITS SU	29	7.87	7.769	8.21	7.25	0.094	0.307	7.37	7.385	8.03	8.13
00406	CONVERTED PH, FIELD, STANDARD UNITS	29	7.87	7.662	8.21	7.25	0.106	0.326	7.37	7.385	8.03	8.13
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	29	0.013	0.022	0.056	0.006	0.	0.016	0.007	0.009	0.041	0.043
00480	SALINITY - PARTS PER THOUSAND	30	36.1	35.853	37.1	33.9	0.618	0.786	34.35	35.6	36.3	36.69
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	29	0.3	0.372	1.3	0.2	0.056	0.236	0.2	0.2	0.5	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.95	4.033	9.	2.	1.628	1.276	3.	3.225	4.5	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.7	25.7	26.3	25.1	0.08	0.283	25.24	25.525	25.8	26.16
00032	CLOUD COVER (PERCENT)	16	40.	48.063	99.	12.	745.929	27.312	17.6	30.	73.75	98.3
00035	WIND VELOCITY (MILES PER HOUR)	16	6.5	7.063	15.	0.	11.496	3.391	3.5	5.	9.75	11.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	3.35	3.236	4.5	1.	0.675	0.822	1.75	3.	3.67	4.37
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53650.	46250.571	55200.	53.	383719294.571	19588.754	54.	52900.	54750.	55100.
00300	OXYGEN, DISSOLVED MG/L	16	6.6	6.613	8.	6.1	0.249	0.499	6.1	6.15	6.7	7.51
00406	PH, FIELD, STANDARD UNITS SU	16	7.82	7.78	8.3	7.37	0.082	0.286	7.384	7.483	7.975	8.188
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.817	7.695	8.3	7.37	0.089	0.299	7.384	7.482	7.975	8.188
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.02	0.043	0.005	0.	0.013	0.007	0.011	0.033	0.041
00480	SALINITY - PARTS PER THOUSAND	15	35.5	35.54	36.6	33.5	0.694	0.833	34.22	35.	36.3	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.3	0.314	0.6	0.1	0.017	0.129	0.15	0.2	0.4	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	3.4	3.594	5.	2.5	0.401	0.633	2.85	3.075	4.	4.65

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.2	27.158	28.4	25.8	0.515	0.717	26.2	26.6	27.6	28.3
00032	CLOUD COVER (PERCENT)	19	50.	53.684	100.	5.	819.006	28.618	10.	30.	80.	95.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	6.211	12.5	0.5	9.62	3.102	1.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.35	3.582	5.45	2.5	0.77	0.878	2.5	3.	4.125	5.045
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54500.	44291.25	56100.	51.	482796087.8	21972.621	53.1	52550.	55275.	55820.
00300	OXYGEN, DISSOLVED MG/L	19	6.6	6.647	7.9	6.	0.254	0.504	6.1	6.3	6.7	7.7
00406	PH, FIELD, STANDARD UNITS SU	19	7.82	7.829	8.98	7.37	0.195	0.442	7.38	7.42	8.13	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	19	7.82	7.666	8.98	7.37	0.224	0.473	7.38	7.42	8.13	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	19	0.015	0.022	0.043	0.001	0.	0.016	0.005	0.007	0.038	0.042
00480	SALINITY - PARTS PER THOUSAND	16	36.3	35.975	37.3	33.8	0.981	0.99	34.36	35.075	36.675	37.09
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.3	0.3	0.6	0.1	0.021	0.146	0.1	0.2	0.4	0.53
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.4	3.611	5.5	2.5	0.741	0.861	2.5	3.	4.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0045

NPS Station ID: VIIS0045
 Location: CINNAMON BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.355837/ -64.758892

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-72B
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.2	28.233	28.7	27.8	0.203	0.451	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.25	5.875	6.6	4.4	1.036	1.018	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.6	33.6	33.9	33.3	0.18	0.424	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	10.5	10.5	18.	3.	112.5	10.607	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.12	0.14	0.29	0.01	0.02	0.141	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.019	0.018	0.025	0.01	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	3	3.	2.867	3.9	1.7	1.223	1.106	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	2 ##	7.25	7.25	11.	3.5	28.125	5.303	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	121.	121.	240.	2.	28322.	168.291	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	2	4650.	4650.	8900.	400.	36125000.	6010.408	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	7.5	11.25	30.	0.	206.25	14.361	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.588	0.663	1.477	0.	0.602	0.776	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.606								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	0.9	0.9	1.7	0.1	1.28	1.131	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0045

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0045

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	2.9	1	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0046

NPS Station ID: VIIS0046
 Location: CINNAMON BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN - 100 FT OFF
 Minor Basin: PARK BEACH AT DRAIN DEPTH 2/4 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.355837/ -64.759170

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 44C /STJ44C
 Within Park Boundary: Yes

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	51	27.4	27.006	29.4	23.7	1.889	1.374	25.1	26.	28.1	28.66
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/11/79	44	0.4	0.605	2.1	0.2	0.194	0.441	0.2	0.3	0.8	1.15
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	50	4.	2.36	4.	0.	3.531	1.879	0.	0.	4.	4.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	22	6.5	6.423	7.1	5.8	0.093	0.305	6.03	6.2	6.525	6.94
00300	OXYGEN, DISSOLVED MG/L	01/03/73-03/18/86	28	6.5	6.468	7.	6.	0.066	0.257	6.1	6.3	6.675	6.81
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	43	8.2	8.219	8.4	8.	0.009	0.093	8.1	8.2	8.3	8.35
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	43	8.2	8.209	8.4	8.	0.009	0.093	8.1	8.2	8.3	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	43	0.006	0.006	0.01	0.004	0.	0.001	0.004	0.005	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-03/18/86	49	35.8	35.845	38.	34.5	0.638	0.799	34.8	35.3	36.4	37.
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	47	0.	5.543	200.	0.	865.542	29.42	0.	0.	0.5	2.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	47	0.	0.077	2.301	-0.301	0.213	0.461	0.	0.	-0.301	0.191
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.194								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	9	0.3	0.333	0.6	0.04	0.037	0.192	0.04	0.18	0.5	0.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

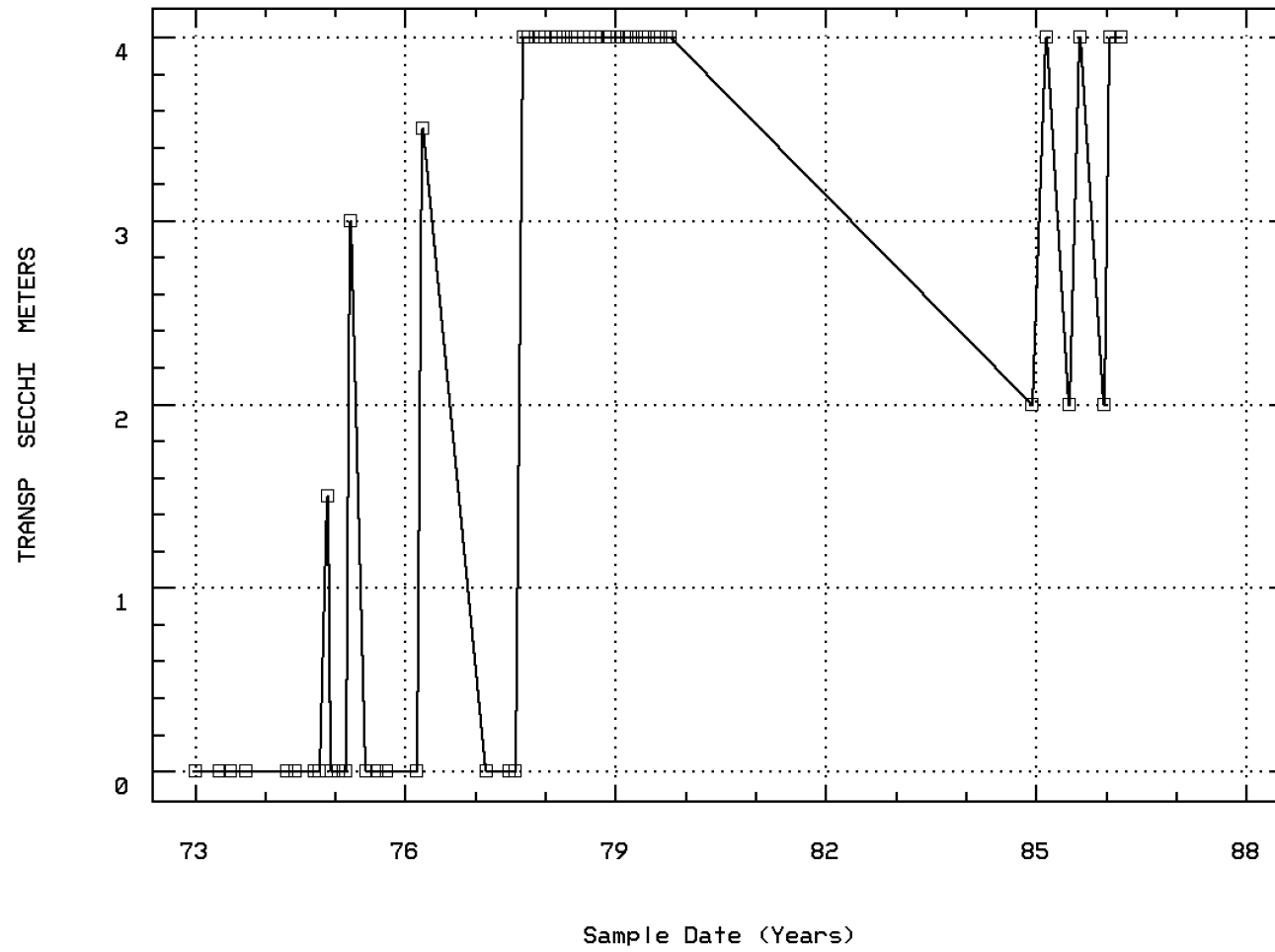
EPA Water Quality Criteria Analysis for Station: VIIS0046

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	44	0	0.00	22	0	0.00	9	0	0.00	13	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	22	0	0.00	12	0	0.00	4	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	28	0	0.00	11	0	0.00	8	0	0.00	9	0	0.00		
00400	PH	Other-Hi Lim.	9.	43	0	0.00	21	0	0.00	9	0	0.00	13	0	0.00		
		Other-Lo Lim.	6.5	43	0	0.00	21	0	0.00	9	0	0.00	13	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	47	1	0.02	21	1	0.05	11	0	0.00	15	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0046 Parameter Code: 00078

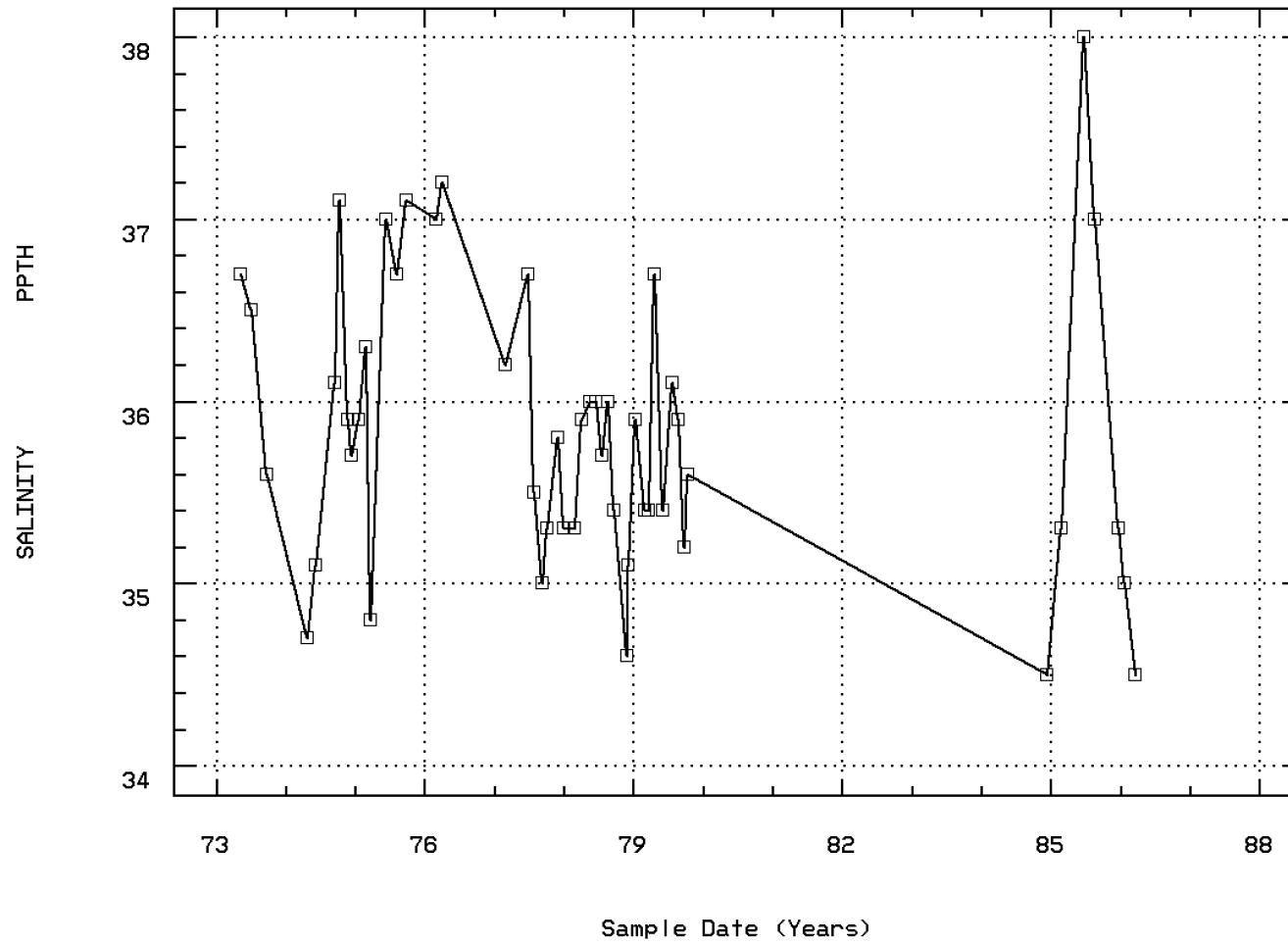
TRANSPARENCY, SECCHI DISC (METERS)



CINNAMON BAY

Station: VIIS0046 Parameter Code: 00480

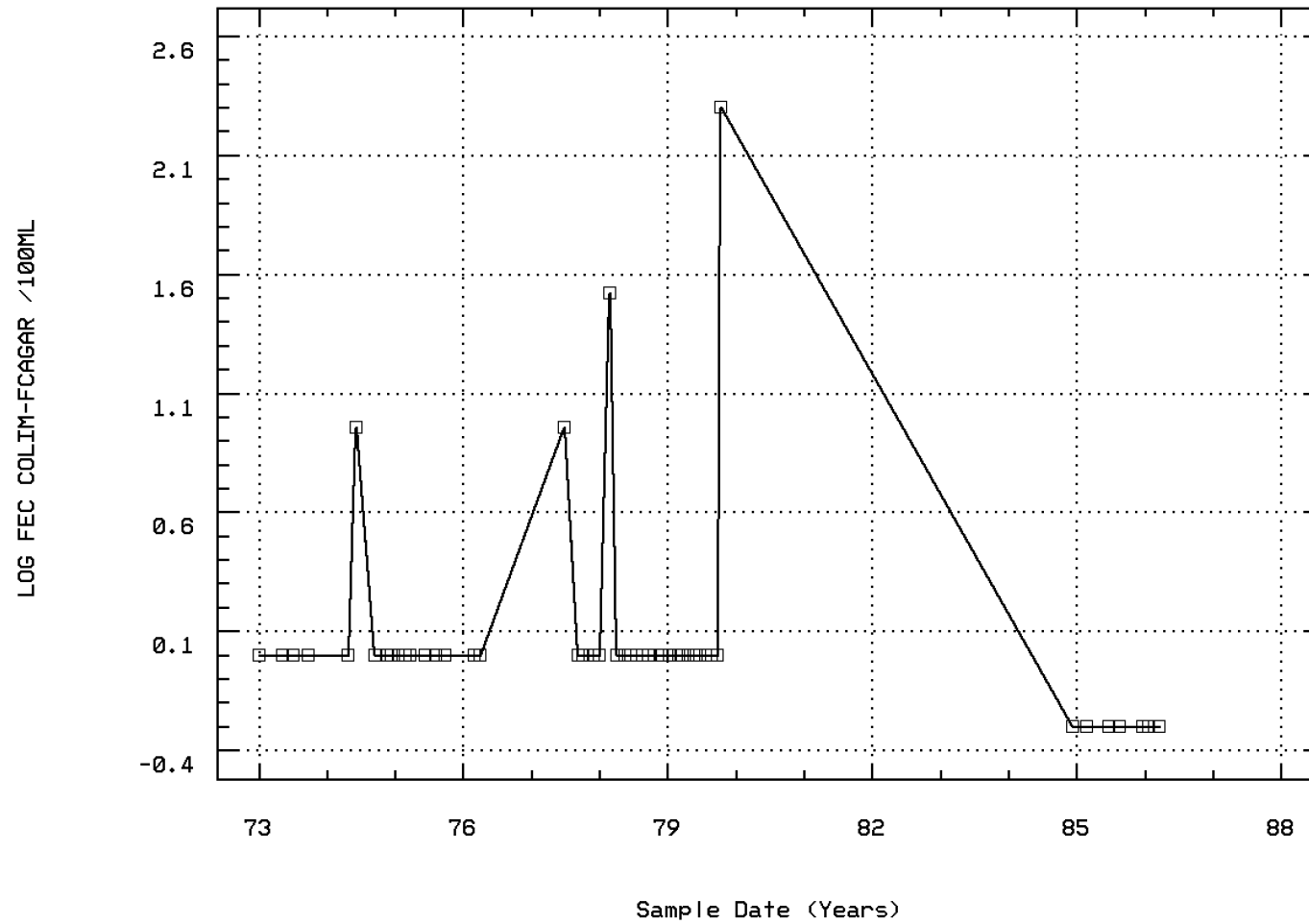
SALINITY - PARTS PER THOUSAND



CINNAMON BAY

Station: VIIS0046 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CINNAMON BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0046

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	24	28.15	27.942	29.4	25.9	0.794	0.891	26.4	27.425	28.45	29.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	22	0.4	0.5	1.3	0.2	0.076	0.276	0.23	0.3	0.6	0.97
00078p	TRANSPARENCY, SECCHI DISC (METERS)	23	4.	2.413	4.	0.	3.651	1.911	0.	0.	4.	4.
00300p	OXYGEN, DISSOLVED MG/L	11	6.3	6.364	6.7	6.1	0.037	0.191	6.12	6.2	6.5	6.68
00400	PH (STANDARD UNITS)	21	8.2	8.205	8.35	8.05	0.007	0.082	8.1	8.15	8.255	8.34
00400	CONVERTED PH (STANDARD UNITS)	21	8.2	8.198	8.35	8.05	0.007	0.083	8.1	8.15	8.255	8.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	21	0.006	0.006	0.009	0.004	0.	0.001	0.005	0.006	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	23	35.7	35.8	37.1	34.5	0.526	0.726	34.76	35.3	36.1	37.06
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	21	0.	9.762	200.	0.	1900.165	43.591	0.	0.	0.75	1.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	21	0.	0.081	2.301	-0.301	0.267	0.517	0.	0.	-0.151	0.
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.205								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0046

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12	25.3	25.5	27.5	23.7	0.925	0.962	24.	25.025	26.1	27.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	9	0.5	0.789	2.1	0.2	0.394	0.627	0.2	0.35	1.2	2.1
00078p	TRANSPARENCY, SECCHI DISC (METERS)	12	3.	2.167	4.	0.	3.97	1.992	0.	0.	4.	4.
00300p	OXYGEN, DISSOLVED MG/L	8	6.6	6.587	6.9	6.3	0.038	0.196	**	**	**	**
00400	PH (STANDARD UNITS)	9	8.3	8.261	8.4	8.1	0.012	0.111	8.1	8.15	8.35	8.4
00400	CONVERTED PH (STANDARD UNITS)	9	8.3	8.248	8.4	8.1	0.013	0.112	8.1	8.15	8.35	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.005	0.006	0.008	0.004	0.	0.001	0.004	0.004	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	11	35.4	35.718	37.	35.	0.36	0.6	35.06	35.3	36.2	36.86
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11	0.	3.136	33.	0.	98.155	9.907	0.	0.	0.5	26.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11	0.	0.056	1.519	-0.301	0.254	0.504	0.	0.	-0.301	1.155
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.137								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

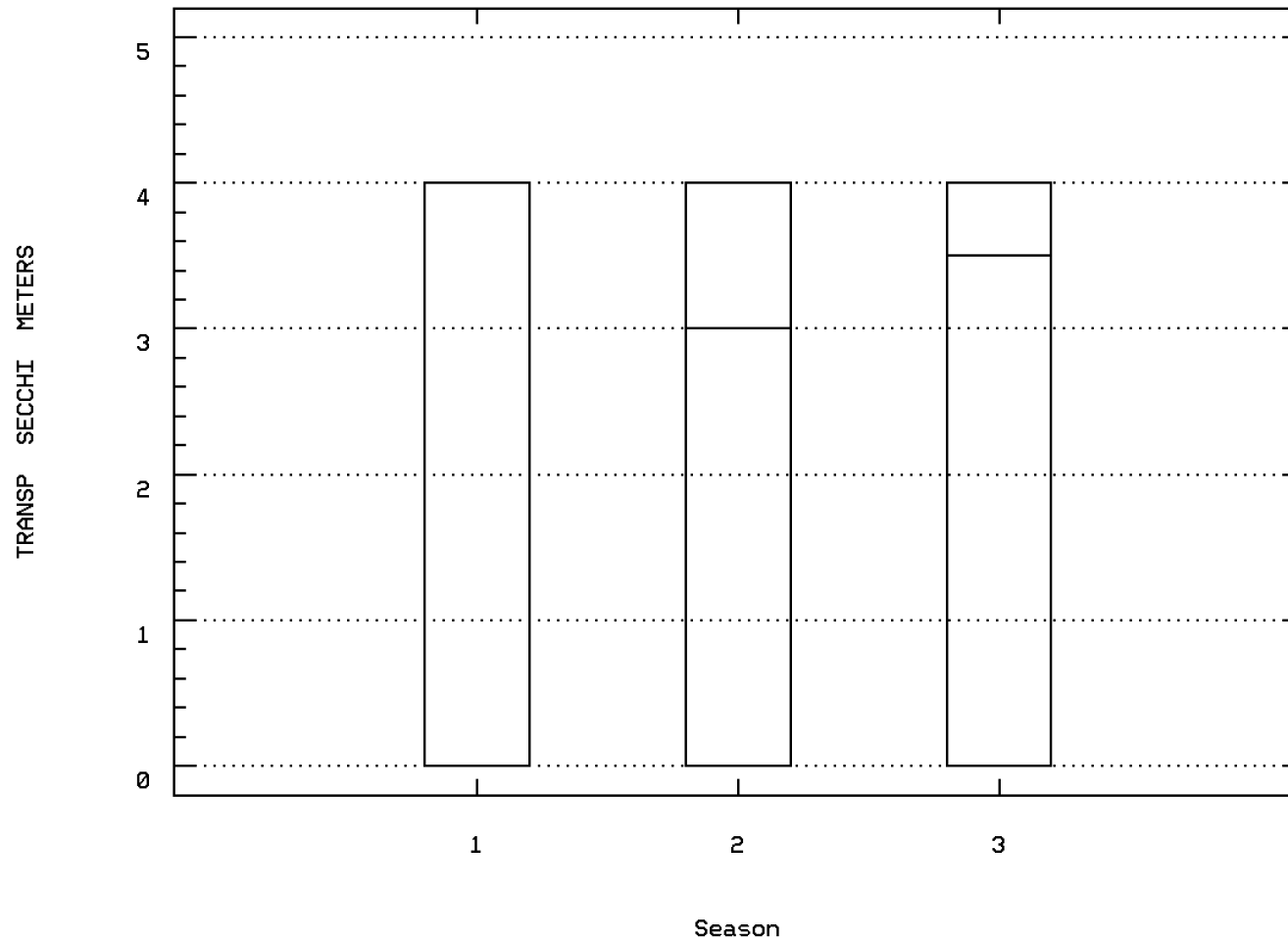
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0046

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	15	26.5	26.713	28.	24.3	1.178	1.086	24.78	26.3	27.5	28.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	13	0.4	0.654	2.	0.2	0.253	0.503	0.2	0.3	0.9	1.6
00078p	TRANSPARENCY, SECCHI DISC (METERS)	15	3.5	2.433	4.	0.	3.46	1.86	0.	0.	4.	4.
00300p	OXYGEN, DISSOLVED MG/L	9	6.5	6.489	7.	6.	0.114	0.337	6.	6.2	6.75	7.
00400	PH (STANDARD UNITS)	13	8.2	8.212	8.4	8.	0.009	0.094	8.06	8.175	8.275	8.36
00400	CONVERTED PH (STANDARD UNITS)	13	8.2	8.202	8.4	8.	0.009	0.094	8.06	8.175	8.275	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	13	0.006	0.006	0.01	0.004	0.	0.001	0.004	0.005	0.007	0.009
00480p	SALINITY - PARTS PER THOUSAND	15	36.	36.007	38.	34.5	1.059	1.029	34.62	35.1	36.7	37.52
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	15	0.	1.4	9.	0.	9.65	3.106	0.	0.	1.	9.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	15	0.	0.087	0.954	-0.301	0.135	0.367	0.	0.	0.	0.954
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.222								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0046 Parameter Code: 00078

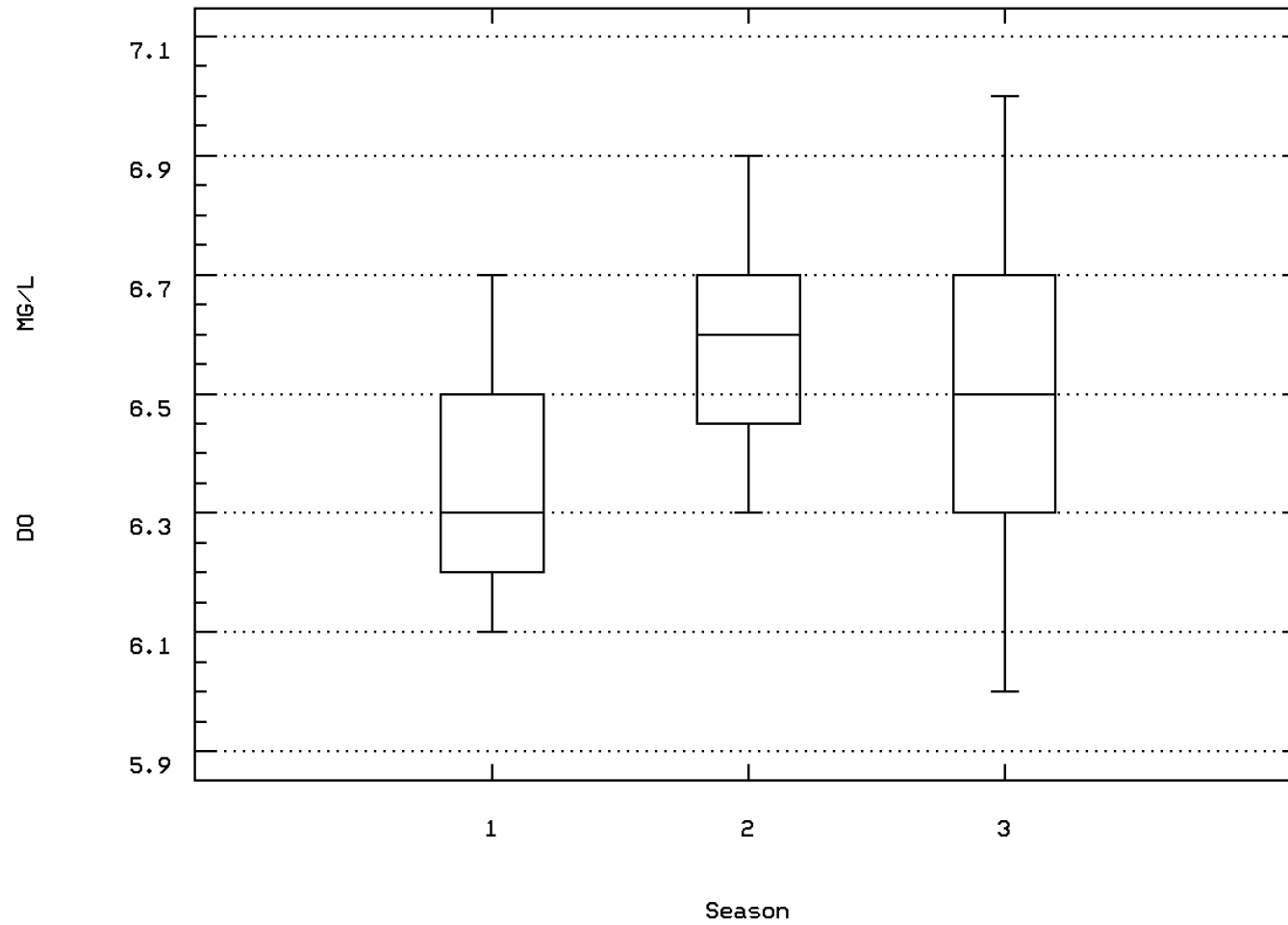
TRANSPARENCY, SECCHI DISC (METERS)



CINNAMON BAY

Station: VIIS0046 Parameter Code: 00300

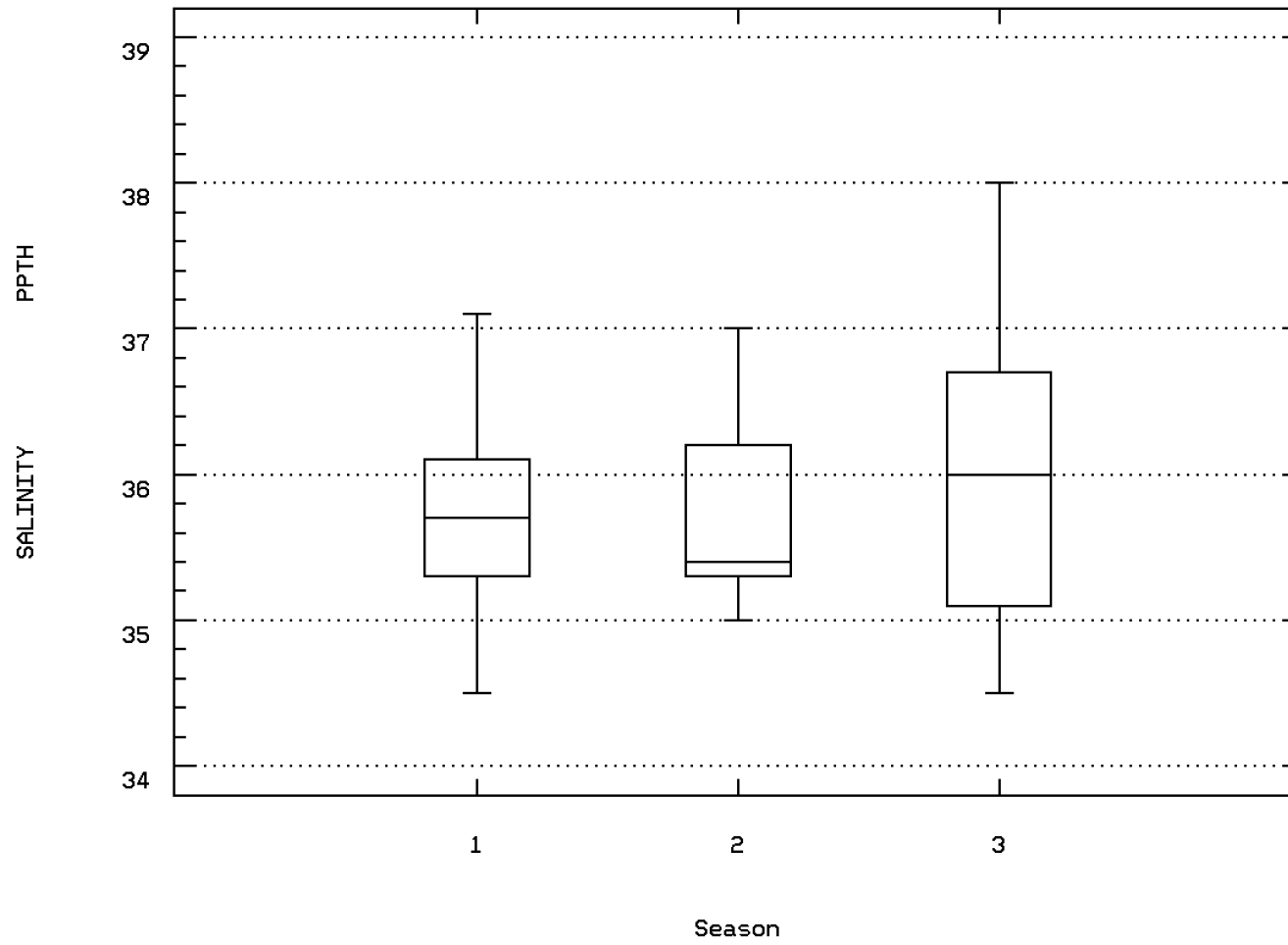
OXYGEN, DISSOLVED



CINNAMON BAY

Station: VIIS0046 Parameter Code: 00480

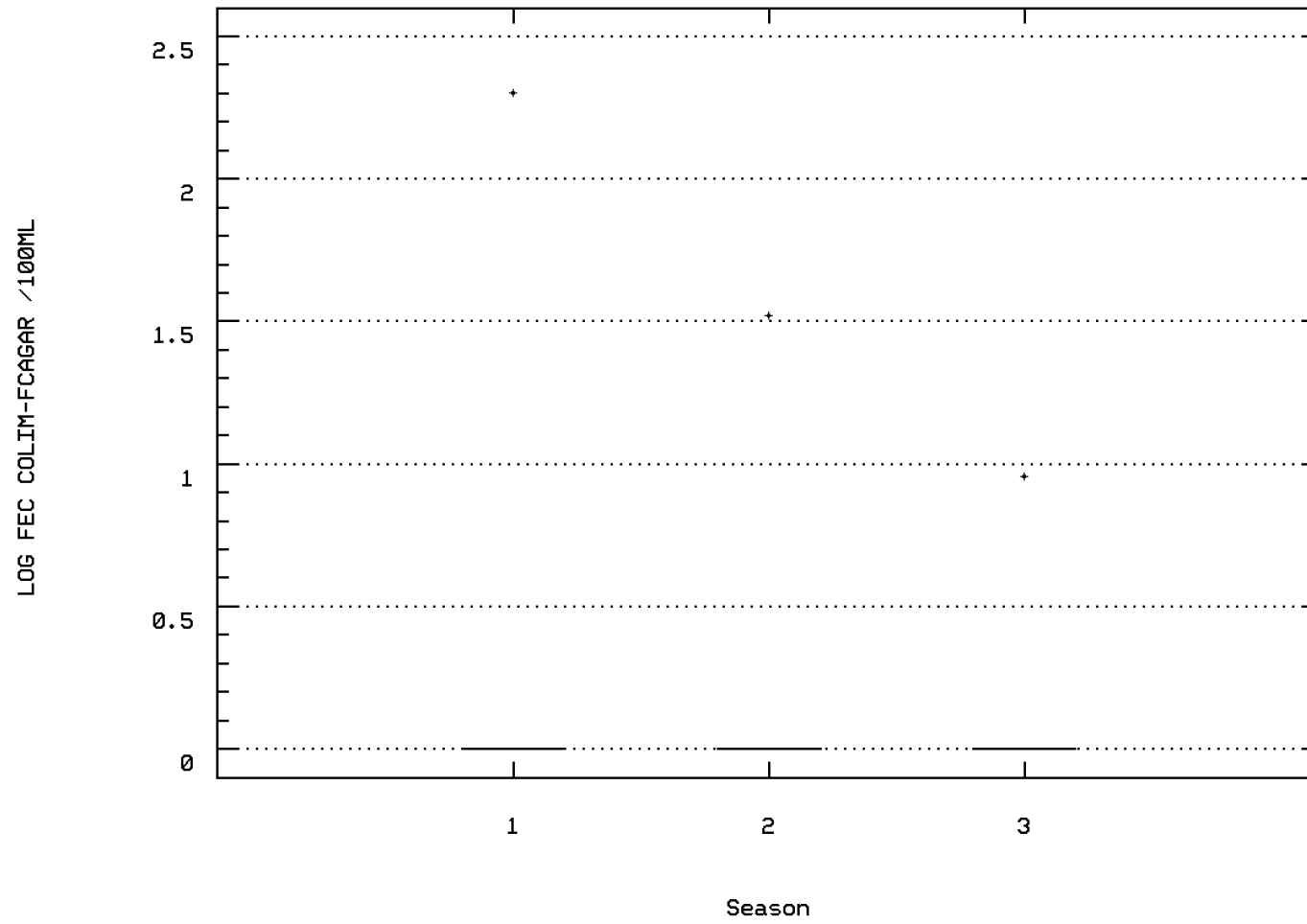
SALINITY - PARTS PER THOUSAND



CINNAMON BAY

Station: VIIS0046 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CINNAMON BAY

Station Inventory for Station: VIIS0047

NPS Station ID: VIIS0047
 Location: CINNAMON BAY 100 FT OFF PK BEACH AT DRAIN 2/4 M
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.355837/ -64.759170

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-44C
 Within Park Boundary: Yes

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-07/23/80	9	27.1	27.122	28.5	25.8	1.054	1.027	25.8	26.2	28.1	28.5
00032 CLOUD COVER (PERCENT)	12/12/79-07/23/80	8	27.5	33.625	100.	10.	881.125	29.684	**	**	**	**
00035 WIND VELOCITY (MILES PER HOUR)	12/12/79-07/23/80	8	10.5	10.375	13.	8.	3.982	1.996	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-07/23/80	9	3.	2.944	3.5	2.5	0.09	0.3	2.5	2.75	3.	3.5
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-07/23/80	9	6.6	6.589	7.7	6.	0.214	0.462	6.	6.35	6.6	7.7
00400 PH (STANDARD UNITS)	11/09/79-07/23/80	9	8.2	8.167	8.3	8.	0.007	0.083	8.	8.125	8.2	8.3
00400 CONVERTED PH (STANDARD UNITS)	11/09/79-07/23/80	9	8.2	8.159	8.3	8.	0.007	0.083	8.	8.125	8.2	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/79-07/23/80	9	0.006	0.007	0.01	0.005	0.	0.001	0.005	0.006	0.008	0.01
00480 SALINITY - PARTS PER THOUSAND	11/09/79-07/23/80	9	35.7	35.767	36.9	35.	0.335	0.579	35.	35.4	36.2	36.9
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/09/79-07/23/80	9 ##	0.5	0.889	3.	0.5	0.674	0.821	0.5	0.5	1.	3.
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/09/79-07/23/80	9 ##	-0.301	-0.148	0.477	-0.301	0.072	0.268	-0.301	-0.301	0.	0.477
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.712								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-07/23/80	9	0.9	0.911	1.7	0.4	0.219	0.468	0.4	0.45	1.3	1.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0047

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0048

NPS Station ID: VIIS0048
 Location: PETER BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.354170/ -64.762253

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_PEBA06
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.5	27.323	29.2	25.1	1.485	1.218	25.5	26.075	28.325	28.83
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	40.	46.091	100.	5.	772.299	27.79	10.	25.	66.25	95.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	8.	7.227	15.	0.	14.563	3.816	1.7	5.	10.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	47	75.5	74.283	97.2	15.	129.883	11.397	65.34	71.3	79.5	84.
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	59	3.5	3.621	12.	1.5	2.151	1.467	2.5	2.75	4.	4.57
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54250.	46133.067	56500.	51.	382016366.979	19545.239	55.	52825.	54875.	55390.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.3	6.438	8.3	5.7	0.257	0.507	6.	6.1	6.7	7.03
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	64	7.86	7.795	8.96	7.26	0.116	0.341	7.38	7.425	8.075	8.165
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	64	7.86	7.677	8.96	7.26	0.13	0.361	7.38	7.425	8.075	8.165
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	64	0.014	0.021	0.055	0.001	0.	0.015	0.007	0.008	0.038	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.1	35.789	37.3	33.3	0.735	0.857	34.6	35.2	36.3	36.7
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.01	0.009	0.018	0.002	0.	0.005	0.003	0.005	0.013	0.017
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.004	0.	0.	0.001	0.	0.	0.001	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.004	0.	0.	0.001	0.	0.	0.002	0.004
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.005	0.	0.	0.002	0.	0.001	0.004	0.005
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.009	0.002	0.	0.002	0.002	0.004	0.007	0.009
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.3	0.322	0.9	0.08	0.033	0.181	0.1	0.2	0.4	0.5
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	64	3.5	3.633	12.	2.	1.964	1.401	2.5	3.	4.	4.55

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0048

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			
	Other-Lo Lim.	6.5	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	29	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.6	27.133	28.3	25.5	1.298	1.139	25.5	25.75	28.05	28.3
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	50.	56.444	99.	10.	1347.278	36.705	10.	20.	97.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	9.444	15.	5.	9.028	3.005	5.	7.5	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	2.625	2.719	3.	2.5	0.061	0.248	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54400.	54350.	54600.	54000.	63333.333	251.661	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.189	6.5	5.9	0.046	0.215	5.9	5.95	6.35	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.86	7.933	8.26	7.64	0.041	0.201	7.64	7.795	8.135	8.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.86	7.894	8.26	7.64	0.042	0.206	7.64	7.795	8.135	8.26
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.014	0.013	0.023	0.005	0.	0.005	0.005	0.007	0.016	0.023
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	36.	35.44	36.2	33.3	1.463	1.21	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.286	0.8	0.1	0.061	0.248	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.8	2.756	3.	2.5	0.063	0.251	2.5	2.5	3.	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	26.8	26.7	28.9	25.1	1.943	1.394	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	30.	45.714	90.	20.	928.571	30.472	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	10.	7.857	10.	0.	15.476	3.934	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	4	71.8	60.3	82.6	15.	961.96	31.015	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	5	2.5	2.5	3.	1.5	0.375	0.612	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52600.	52742.857	53900.	52100.	369523.81	607.885	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.6	6.529	6.9	6.	0.126	0.355	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	7	7.39	7.504	7.9	7.26	0.056	0.237	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	7	7.39	7.457	7.9	7.26	0.059	0.243	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	7	0.041	0.035	0.055	0.013	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.7	34.871	35.9	34.3	0.269	0.519	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.3	0.383	0.9	0.1	0.098	0.313	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	2.75	2.75	3.	2.5	0.075	0.274	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	27.591	29.2	25.4	1.765	1.328	25.42	26.4	28.4	29.16
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	50.909	95.	25.	574.091	23.96	26.	30.	60.	94.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	10.	8.636	15.	0.	20.455	4.523	1.	5.	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	11	74.5	73.509	77.8	67.5	12.527	3.539	67.6	70.3	76.2	77.64
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	3.5	3.864	8.	2.5	2.242	1.497	2.55	2.75	4.	7.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54400.	54581.818	56500.	53300.	679636.364	824.401	53440.	54200.	54800.	56280.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.7	6.673	7.4	6.3	0.092	0.304	6.32	6.4	6.8	7.3
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.39	7.399	7.45	7.36	0.001	0.029	7.362	7.38	7.42	7.448
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.39	7.398	7.45	7.36	0.001	0.029	7.362	7.38	7.42	7.448
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.041	0.04	0.044	0.035	0.	0.003	0.036	0.038	0.042	0.043
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.1	36.091	36.8	35.3	0.183	0.428	35.38	35.9	36.3	36.78
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.4	0.41	0.7	0.2	0.023	0.152	0.2	0.275	0.5	0.68
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	3.5	3.873	8.	2.5	2.22	1.49	2.56	2.8	4.	7.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.4	27.39	28.9	25.8	1.557	1.248	25.8	26.025	28.8	28.89
00032	CLOUD COVER (PERCENT)	10	55.	52.5	95.	5.	734.722	27.106	6.5	35.	71.25	93.
00035	WIND VELOCITY (MILES PER HOUR)	10	8.75	7.75	10.	2.5	7.569	2.751	2.75	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	72.15	70.95	81.	54.6	54.392	7.375	55.44	68.25	75.65	80.48
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	4.5	5.393	12.	3.5	8.83	2.972	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	54233.333	56200.	51600.	2180000.	1476.482	51600.	53000.	55400.	56200.
00300	OXYGEN, DISSOLVED MG/L	10	6.5	6.81	8.3	5.8	0.894	0.946	5.82	6.	7.85	8.27
00406	PH, FIELD, STANDARD UNITS SU	10	7.495	7.567	7.96	7.37	0.041	0.203	7.371	7.395	7.763	7.944
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.494	7.53	7.96	7.37	0.043	0.207	7.371	7.395	7.762	7.944
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.032	0.03	0.043	0.011	0.	0.011	0.011	0.017	0.04	0.043
00480	SALINITY - PARTS PER THOUSAND	9	36.2	35.911	37.3	34.	1.096	1.047	34.	35.05	36.75	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.356	0.7	0.2	0.028	0.167	0.2	0.2	0.45	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.25	4.93	12.	3.	6.571	2.563	3.05	3.725	5.	11.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.5	27.355	29.	25.4	1.449	1.204	25.48	26.4	28.3	28.94
00032	CLOUD COVER (PERCENT)	11	40.	40.455	65.	25.	167.273	12.933	25.	30.	50.	63.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	5.455	12.5	0.5	19.373	4.401	0.6	1.	10.	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	78.85	76.88	84.6	63.5	39.328	6.271	64.22	72.425	80.425	84.46
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	3.97	3.779	4.2	3.	0.153	0.391	3.025	3.438	4.	4.18
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54600.	54481.818	55300.	53000.	557636.364	746.751	53080.	53900.	55100.	55280.
00300	OXYGEN, DISSOLVED MG/L	11	6.2	6.355	7.3	5.7	0.233	0.482	5.76	6.	6.8	7.24
00406	PH, FIELD, STANDARD UNITS SU	10	8.055	8.009	8.2	7.81	0.02	0.14	7.812	7.875	8.115	8.193
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	8.054	7.989	8.2	7.81	0.02	0.141	7.812	7.875	8.115	8.193
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.009	0.01	0.015	0.006	0.	0.003	0.006	0.008	0.013	0.015
00480	SALINITY - PARTS PER THOUSAND	11	36.2	36.018	36.6	34.9	0.28	0.529	34.98	35.6	36.4	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.344	0.5	0.2	0.018	0.133	0.2	0.2	0.5	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.95	3.78	4.2	3.	0.146	0.382	3.03	3.45	4.	4.18

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.3	27.444	28.9	25.5	1.675	1.294	25.5	26.3	28.7	28.9
00032	CLOUD COVER (PERCENT)	9	40.	39.889	100.	5.	988.861	31.446	5.	12.	60.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	5.444	10.	2.	7.278	2.698	2.	3.	8.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	92.	86.967	97.2	71.7	181.563	13.475	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.96	3.861	4.88	3.05	0.371	0.609	3.05	3.355	4.265	4.88
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54900.	54788.889	55900.	53700.	548611.111	740.683	53700.	54050.	55350.	55900.
00300	OXYGEN, DISSOLVED MG/L	9	6.1	6.156	6.6	5.8	0.058	0.24	5.8	6.	6.3	6.6
00406	PH, FIELD, STANDARD UNITS SU	9	7.98	7.997	8.26	7.88	0.015	0.121	7.88	7.895	8.055	8.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.98	7.983	8.26	7.88	0.015	0.122	7.88	7.895	8.055	8.26
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.01	0.01	0.013	0.005	0.	0.003	0.005	0.009	0.013	0.013
00480	SALINITY - PARTS PER THOUSAND	9	36.3	36.244	37.1	35.5	0.343	0.585	35.5	35.55	36.7	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.2	0.231	0.5	0.08	0.018	0.135	0.08	0.15	0.3	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.	3.9	4.9	3.1	0.36	0.6	3.1	3.4	4.3	4.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	27.433	28.6	25.6	1.348	1.161	25.6	26.15	28.4	28.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	25.	36.111	100.	5.	1086.111	32.956	5.	7.5	62.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	7.5	6.167	10.	1.	14.	3.742	1.	2.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	9	79.3	78.033	84.	69.8	22.555	4.749	69.8	74.65	82.15	84.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.03	2.957	3.66	2.04	0.363	0.603	2.04	2.42	3.64	3.66
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55.	53.778	56.	51.	3.444	1.856	51.	52.	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.3	6.6	6.1	0.028	0.166	6.1	6.15	6.4	6.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.12	8.229	8.96	8.02	0.094	0.306	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.12	8.166	8.96	8.02	0.098	0.314	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.008	0.007	0.01	0.001	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.1	35.467	36.5	33.8	1.185	1.089	33.8	34.4	36.35	36.5
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.244	0.4	0.1	0.008	0.088	0.1	0.2	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	2.933	3.7	2.	0.373	0.61	2.	2.4	3.6	3.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.4	28.316	29.2	26.8	0.336	0.58	27.3	28.1	28.8	28.98
00032	CLOUD COVER (PERCENT)	31	40.	41.258	100.	5.	742.731	27.253	6.	25.	55.	94.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	6.258	12.5	0.	15.598	3.949	1.	2.5	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	28	3.65	4.049	12.	2.42	3.701	1.924	2.492	3.	4.425	5.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54350.	47007.167	55900.	51.	351744138.971	18754.843	55.1	52925.	54725.	55290.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.203	7.4	5.7	0.113	0.336	5.84	6.	6.4	6.64
00406	PH, FIELD, STANDARD UNITS SU	29	7.86	7.774	8.2	7.26	0.096	0.309	7.36	7.385	8.05	8.14
00406	CONVERTED PH, FIELD, STANDARD UNITS	29	7.86	7.666	8.2	7.26	0.108	0.328	7.36	7.385	8.05	8.14
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	29	0.014	0.022	0.055	0.006	0.	0.015	0.007	0.009	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	30	36.05	35.83	37.1	33.8	0.634	0.796	34.34	35.6	36.3	36.69
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	29	0.3	0.345	0.9	0.2	0.033	0.18	0.2	0.2	0.45	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.55	3.987	12.	2.4	3.512	1.874	2.52	3.	4.275	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.7	25.656	26.4	25.1	0.104	0.322	25.17	25.425	25.8	26.12
00032	CLOUD COVER (PERCENT)	16	37.5	46.188	99.	5.	731.229	27.041	15.5	30.	70.	92.7
00035	WIND VELOCITY (MILES PER HOUR)	16	10.	8.844	15.	2.5	11.457	3.385	4.25	5.75	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	3.5	3.147	4.	1.5	0.682	0.826	1.716	2.5	3.92	3.984
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53750.	46300.571	55300.	53.	384584233.033	19610.819	54.	52900.	54750.	55250.
00300	OXYGEN, DISSOLVED MG/L	16	6.65	6.725	8.3	6.2	0.282	0.531	6.2	6.3	6.875	7.6
00406	PH, FIELD, STANDARD UNITS SU	16	7.85	7.781	8.28	7.38	0.079	0.282	7.394	7.483	7.99	8.182
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.848	7.698	8.28	7.38	0.087	0.294	7.394	7.482	7.99	8.182
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.014	0.02	0.042	0.005	0.	0.013	0.007	0.01	0.033	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.6	35.547	36.6	33.3	0.76	0.872	34.08	35.1	36.2	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.25	0.306	0.7	0.08	0.035	0.188	0.09	0.175	0.4	0.65
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	15	3.5	3.267	4.	2.	0.47	0.685	2.3	2.5	3.9	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.1	27.105	28.3	25.7	0.496	0.704	26.1	26.5	27.6	28.1
00032	CLOUD COVER (PERCENT)	19	50.	53.895	100.	9.	837.099	28.933	10.	25.	75.	95.
00035	WIND VELOCITY (MILES PER HOUR)	19	7.5	7.447	15.	0.5	13.053	3.613	1.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.265	3.298	4.5	2.5	0.395	0.628	2.5	2.688	3.96	4.05
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54400.	44347.563	56500.	51.	484297857.063	22006.768	53.8	52425.	55325.	56290.
00300	OXYGEN, DISSOLVED MG/L	19	6.5	6.579	8.	5.9	0.314	0.56	5.9	6.2	6.8	7.8
00406	PH, FIELD, STANDARD UNITS SU	19	7.83	7.839	8.96	7.38	0.189	0.435	7.38	7.42	8.11	8.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	19	7.83	7.677	8.96	7.38	0.217	0.466	7.38	7.42	8.11	8.26
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	19	0.015	0.021	0.042	0.001	0.	0.016	0.005	0.008	0.038	0.042
00480	SALINITY - PARTS PER THOUSAND	16	36.15	35.938	37.3	33.8	0.92	0.959	34.36	35.125	36.65	37.02
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.25	0.294	0.7	0.1	0.033	0.181	0.1	0.125	0.475	0.56
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.5	3.363	4.5	2.5	0.452	0.673	2.5	2.8	4.	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0049

NPS Station ID: VIIS0049
 Location: FISH BAY-100 FT OFF NORTH SHORE 1/2.25 M
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.323059/ -64.764726

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-48
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0049

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	11	28.3	28.582	31.2	26.4	2.248	1.499	26.46	27.3	29.9	30.98
00032 CLOUD COVER (PERCENT)	11/07/79-11/06/80	11	35.	28.818	60.	3.	271.164	16.467	4.8	12.	35.	57.
00035 WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	11	9.	10.091	13.	5.	7.291	2.7	5.6	8.	13.	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	11	1.8	1.764	2.	1.1	0.069	0.262	1.18	1.8	2.	2.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	11	6.7	6.736	8.2	5.	0.725	0.851	5.22	6.3	7.5	8.08
00400 PH (STANDARD UNITS)	11/07/79-11/06/80	11	8.15	8.123	8.3	7.95	0.011	0.106	7.96	8.	8.2	8.28
00400 CONVERTED PH (STANDARD UNITS)	11/07/79-11/06/80	11	8.15	8.111	8.3	7.95	0.011	0.106	7.96	8.	8.2	8.28
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/07/79-11/06/80	11	0.007	0.008	0.011	0.005	0.	0.002	0.005	0.006	0.01	0.011
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	11	35.9	35.7	36.5	34.5	0.462	0.68	34.54	35.	36.3	36.46
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/06/80	11 ##	0.5	23.591	250.	0.5	5639.391	75.096	0.5	0.5	2.	200.6
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/06/80	11 ##	-0.301	0.097	2.398	-0.301	0.66	0.812	-0.301	-0.301	0.301	2.014
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			1.251								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	11	1.8	1.973	4.	0.8	0.99	0.995	0.84	1.1	2.2	3.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0049

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	11	1	0.09	5	0	0.00	3	1	0.33	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0050

NPS Station ID: VIIS0050
 Location: FISH BAY-100 FT OFF NORTH SHORE
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin: DEPTH 1/2.25 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.323059/ -64.764726

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 48 /STJ48
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/73-01/23/86	38	28.65	28.4	31.1	24.3	3.682	1.919	25.27	27.075	29.85	30.91
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	33	1.4	1.697	3.5	0.3	0.89	0.944	0.6	1.	2.5	3.26
00078p	TRANSPARENCY, SECCHI DISC (METERS)	05/09/73-01/23/86	39	2.	7.397	225.	0.	1279.539	35.771	0.	1.3	2.3	2.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	17	6.3	6.453	8.2	5.1	0.458	0.676	5.66	6.15	6.75	7.56
00300	OXYGEN, DISSOLVED MG/L	05/09/73-01/23/86	21	6.4	6.505	7.9	5.8	0.275	0.525	5.9	6.1	6.8	7.3
00400	PH (STANDARD UNITS)	05/09/73-10/02/79	32	8.2	8.181	8.65	8.	0.016	0.125	8.015	8.1	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	32	8.2	8.166	8.65	8.	0.016	0.126	8.015	8.1	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	32	0.006	0.007	0.01	0.002	0.	0.002	0.005	0.006	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-01/23/86	37	35.4	35.568	39.	32.3	1.559	1.249	34.46	35.	36.25	37.02
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-01/23/86	3	4.	2.933	4.	0.8	3.413	1.848	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-01/23/86	3	0.01	0.007	0.01	0.001	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/12/84-01/23/86	4	0.1	0.076	0.1	0.005	0.002	0.048	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/84-01/23/86	4	0.015	0.016	0.03	0.002	0.	0.012	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	38	0.	13.474	225.	0.	2175.945	46.647	0.	0.	0.5	17.8
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/09/73-01/23/86	38	0.	0.177	2.352	-0.301	0.406	0.637	0.	0.	-0.301	0.841
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.502								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/12/84-01/23/86	6	1.25	1.213	2.3	0.08	0.583	0.763	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

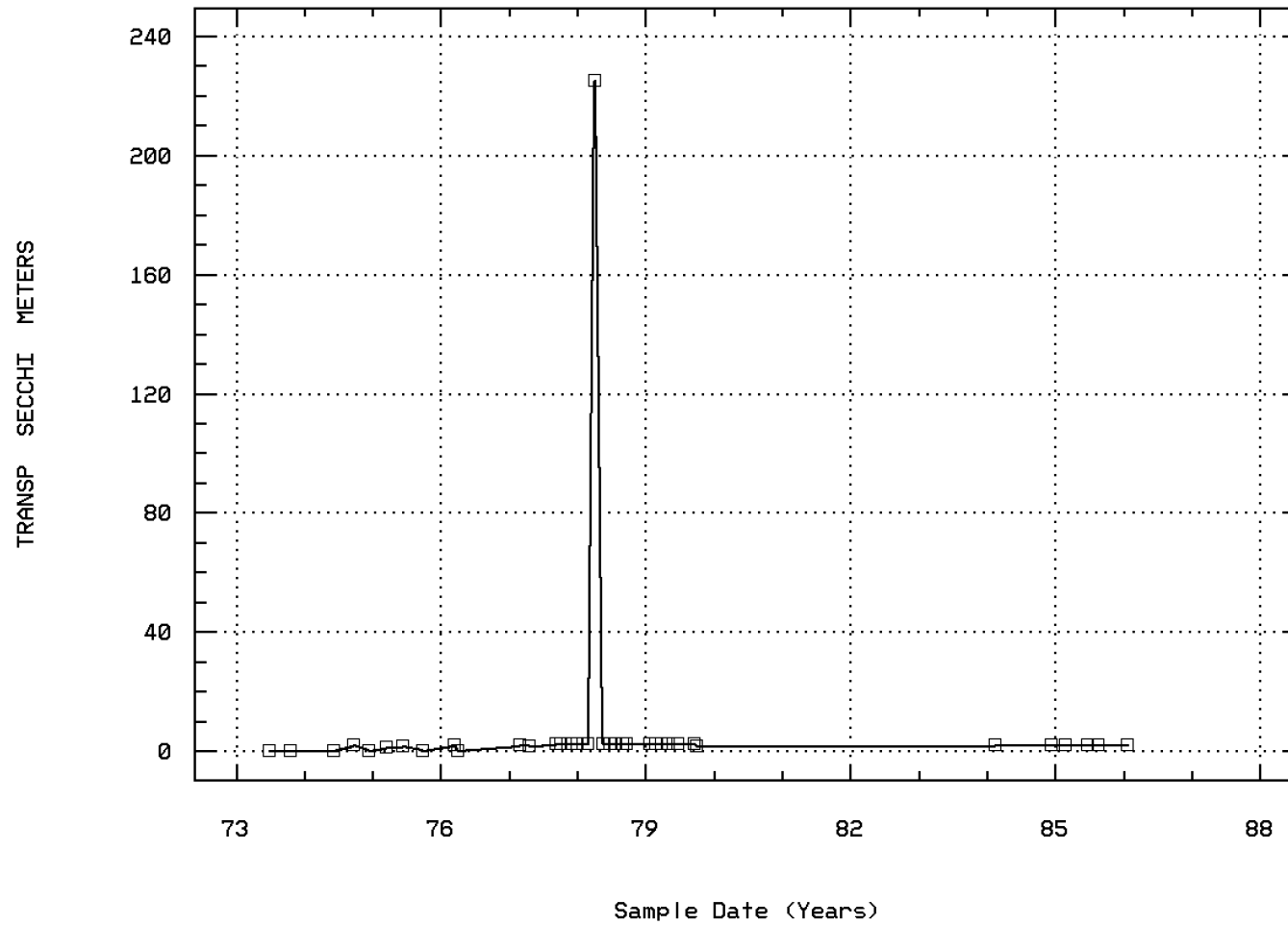
EPA Water Quality Criteria Analysis for Station: VIIS0050

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	33	0	0.00	13	0	0.00	6	0	0.00	14	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	17	0	0.00	8	0	0.00	3	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	7	0	0.00	5	0	0.00	9	0	0.00		
00400	PH	Other-Hi Lim.	9.	32	0	0.00	12	0	0.00	6	0	0.00	14	0	0.00		
		Other-Lo Lim.	6.5	32	0	0.00	12	0	0.00	6	0	0.00	14	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	38	1	0.03	15	1	0.07	9	0	0.00	14	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0050 Parameter Code: 00078

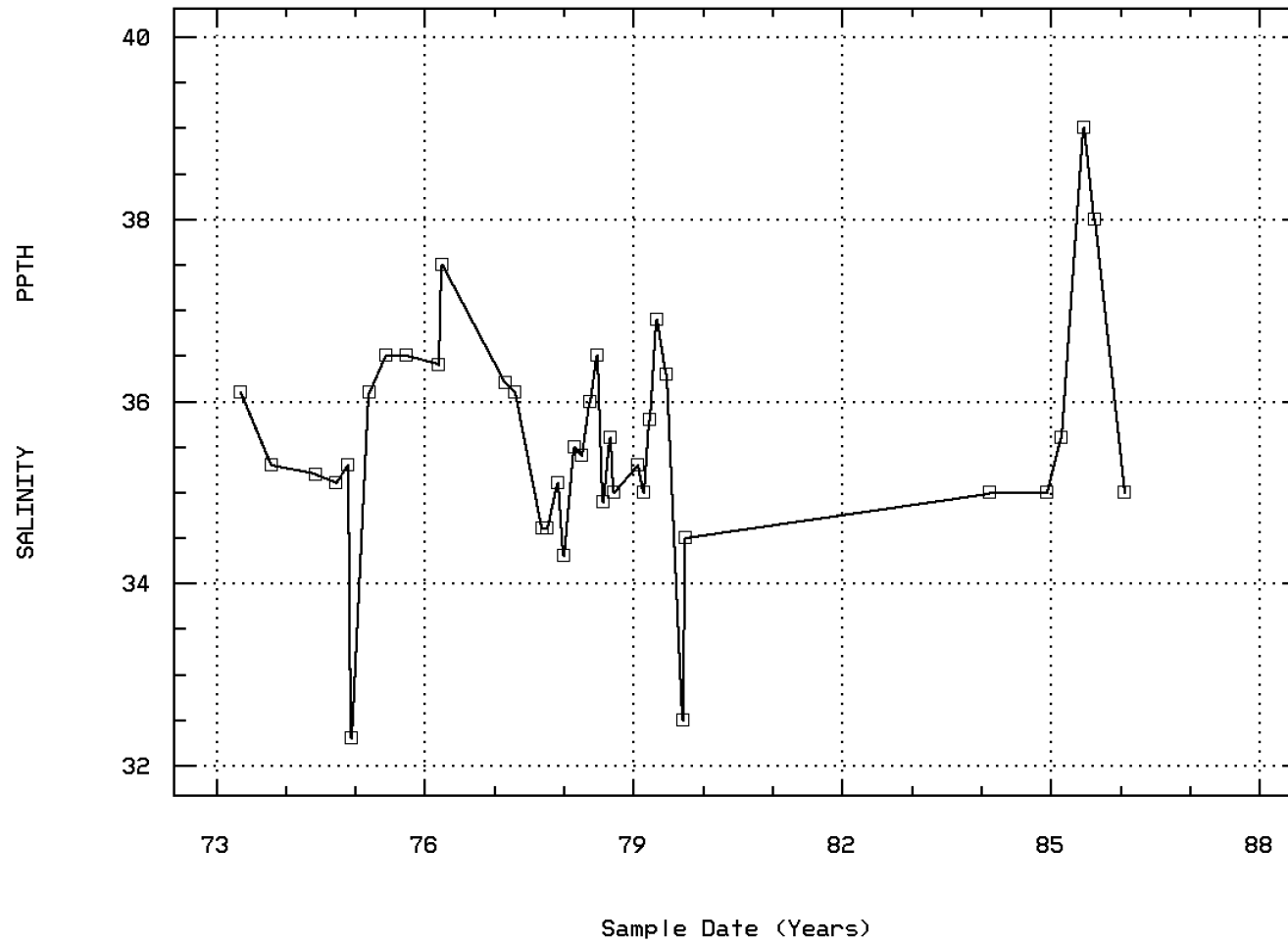
TRANSPARENCY, SECCHI DISC (METERS)



FISH BAY-100 FT OFF NORTH SHORE

Station: VIIS0050 Parameter Code: 00480

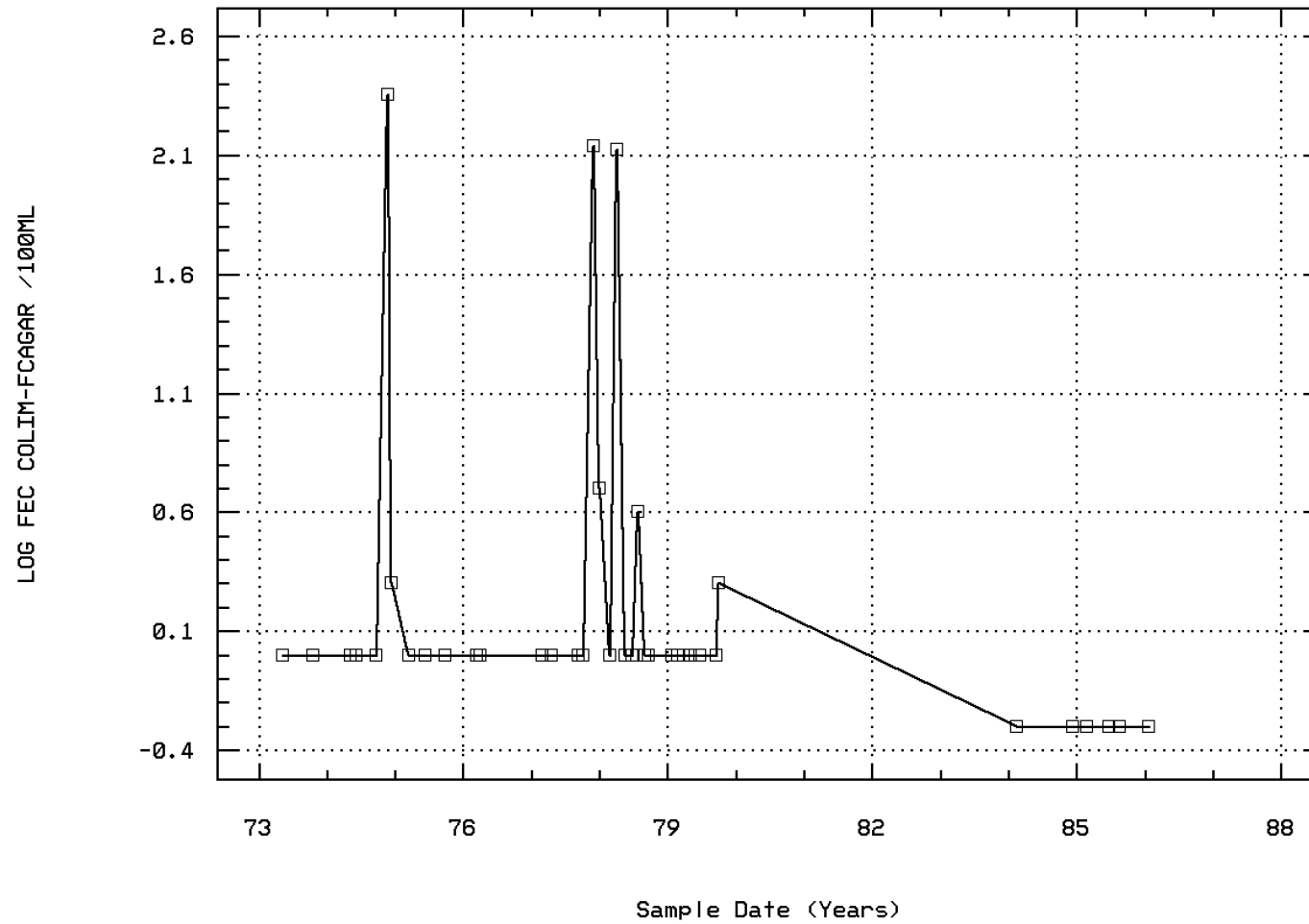
SALINITY - PARTS PER THOUSAND



FISH BAY-100 FT OFF NORTH SHORE

Station: VIIS0050 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



FISH BAY-100 FT OFF NORTH SHORE

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	13	1.1	1.377	3.3	0.5	0.804	0.896	0.54	0.75	1.55	3.26
00078p	TRANSPARENCY, SECCHI DISC (METERS)	05/09/73-01/23/86	15	2.1	1.647	2.3	0.	0.858	0.926	0.	1.	2.3	2.3
00400	PH (STANDARD UNITS)	05/09/73-10/02/79	12	8.15	8.142	8.25	8.	0.007	0.082	8.015	8.063	8.2	8.25
00400	CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	12	8.15	8.134	8.25	8.	0.007	0.082	8.015	8.063	8.2	8.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	12	0.007	0.007	0.01	0.006	0.	0.001	0.006	0.006	0.009	0.01
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-01/23/86	15	35.	34.953	38.	32.3	1.85	1.36	32.42	34.6	35.3	37.1
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	15	0.	24.8	225.	0.	4319.136	65.72	0.	0.	2.	172.8
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/09/73-01/23/86	15	0.	0.34	2.352	-0.301	0.65	0.807	0.	0.	0.301	2.225
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.186								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	6	2.45	2.1	3.2	0.3	1.196	1.094	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	05/09/73-01/23/86	9	2.	2.033	2.3	1.3	0.11	0.332	1.3	1.9	2.3	2.3
00400	PH (STANDARD UNITS)	05/09/73-10/02/79	6	8.15	8.217	8.65	8.	0.053	0.229	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	6	8.147	8.175	8.65	8.	0.055	0.234	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	6	0.007	0.007	0.01	0.002	0.	0.003	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-01/23/86	9	35.3	35.333	36.2	34.3	0.355	0.596	34.3	35.	35.85	36.2
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	9	0.	0.722	5.	0.	2.632	1.622	0.	0.	0.5	5.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/09/73-01/23/86	9	0.	-0.023	0.699	-0.301	0.094	0.307	0.	0.	-0.301	0.699
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.949								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

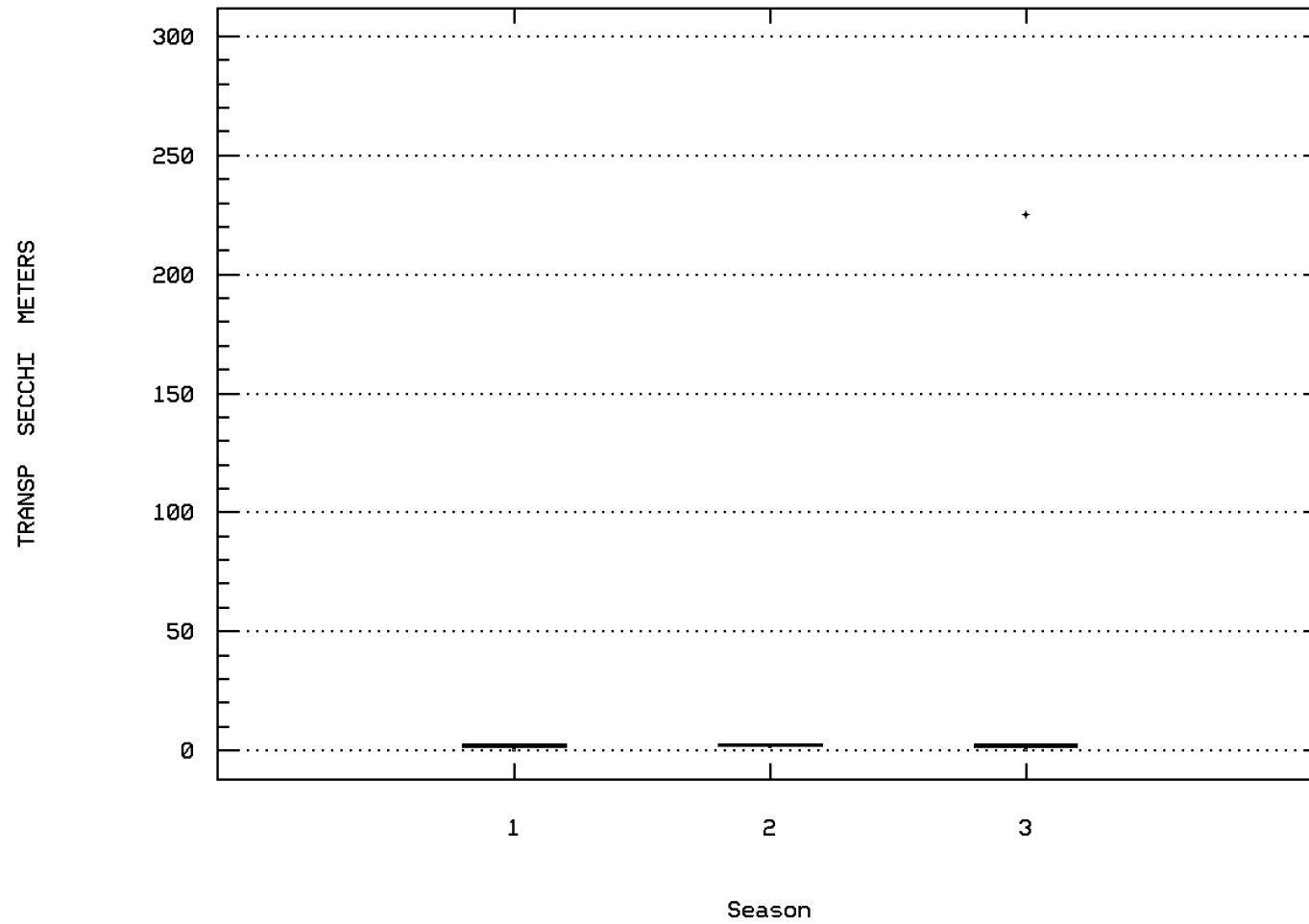
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	14	1.55	1.821	3.5	0.6	0.796	0.892	0.8	1.15	2.525	3.4
00078p	TRANSPARENCY, SECCHI DISC (METERS)	05/09/73-01/23/86	15	1.9	16.367	225.	0.	3331.99	57.723	0.	1.	2.3	91.38
00400	PH (STANDARD UNITS)	05/09/73-10/02/79	14	8.2	8.2	8.4	8.	0.009	0.094	8.05	8.15	8.225	8.35
00400	CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	14	8.2	8.191	8.4	8.	0.009	0.095	8.05	8.15	8.225	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	14	0.006	0.006	0.01	0.004	0.	0.001	0.004	0.006	0.007	0.009
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-01/23/86	13	36.3	36.438	39.	35.2	0.948	0.973	35.28	35.9	36.7	38.4
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	14	0.	9.536	133.	0.	1262.787	35.536	0.	0.	0.	66.75
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/09/73-01/23/86	14	0.	0.13	2.124	-0.301	0.336	0.579	0.	0.	0.	0.911
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.35								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0050 Parameter Code: 00078

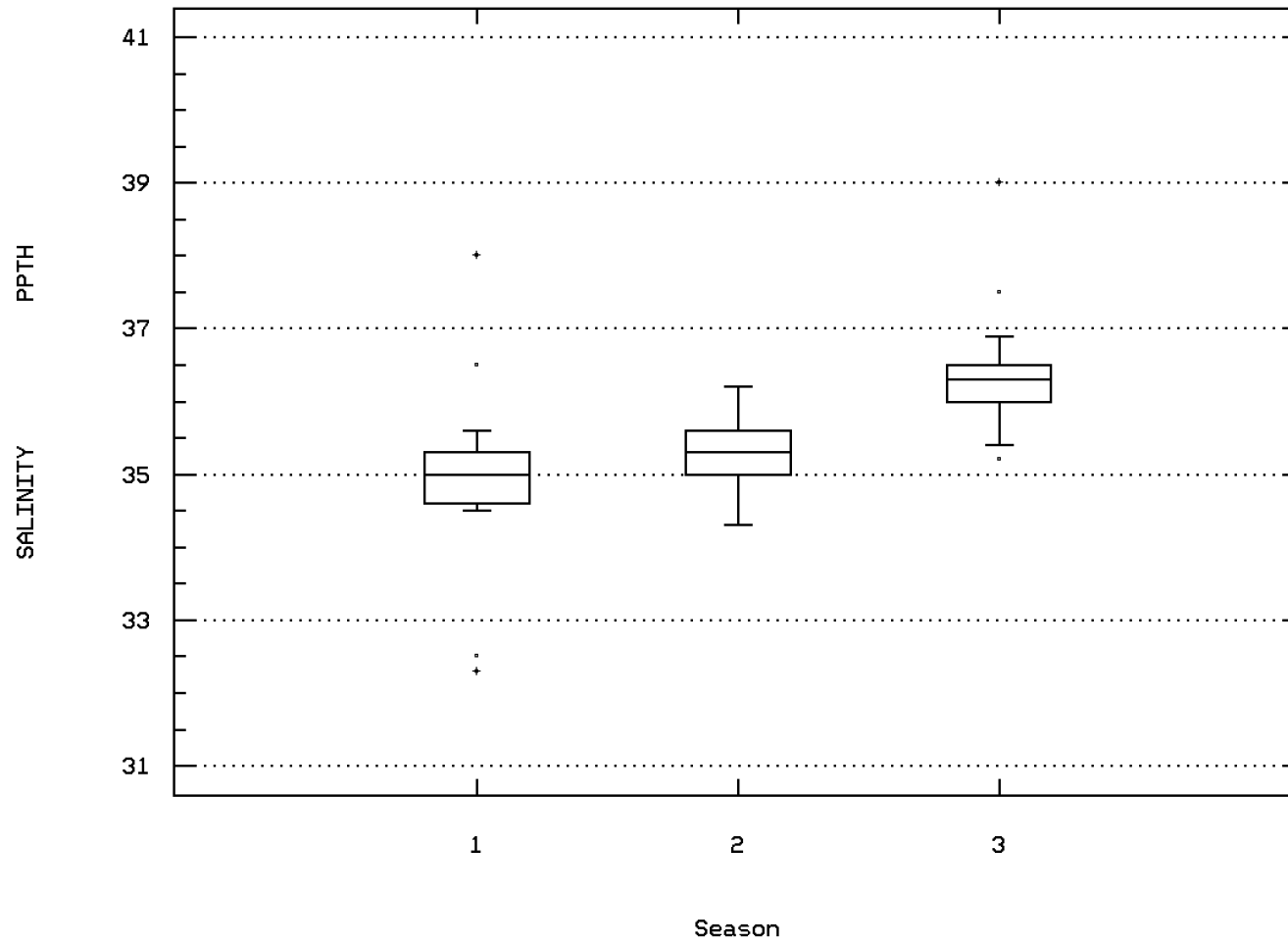
TRANSPARENCY, SECCHI DISC (METERS)



FISH BAY-100 FT OFF NORTH SHORE

Station: VIIS0050 Parameter Code: 00480

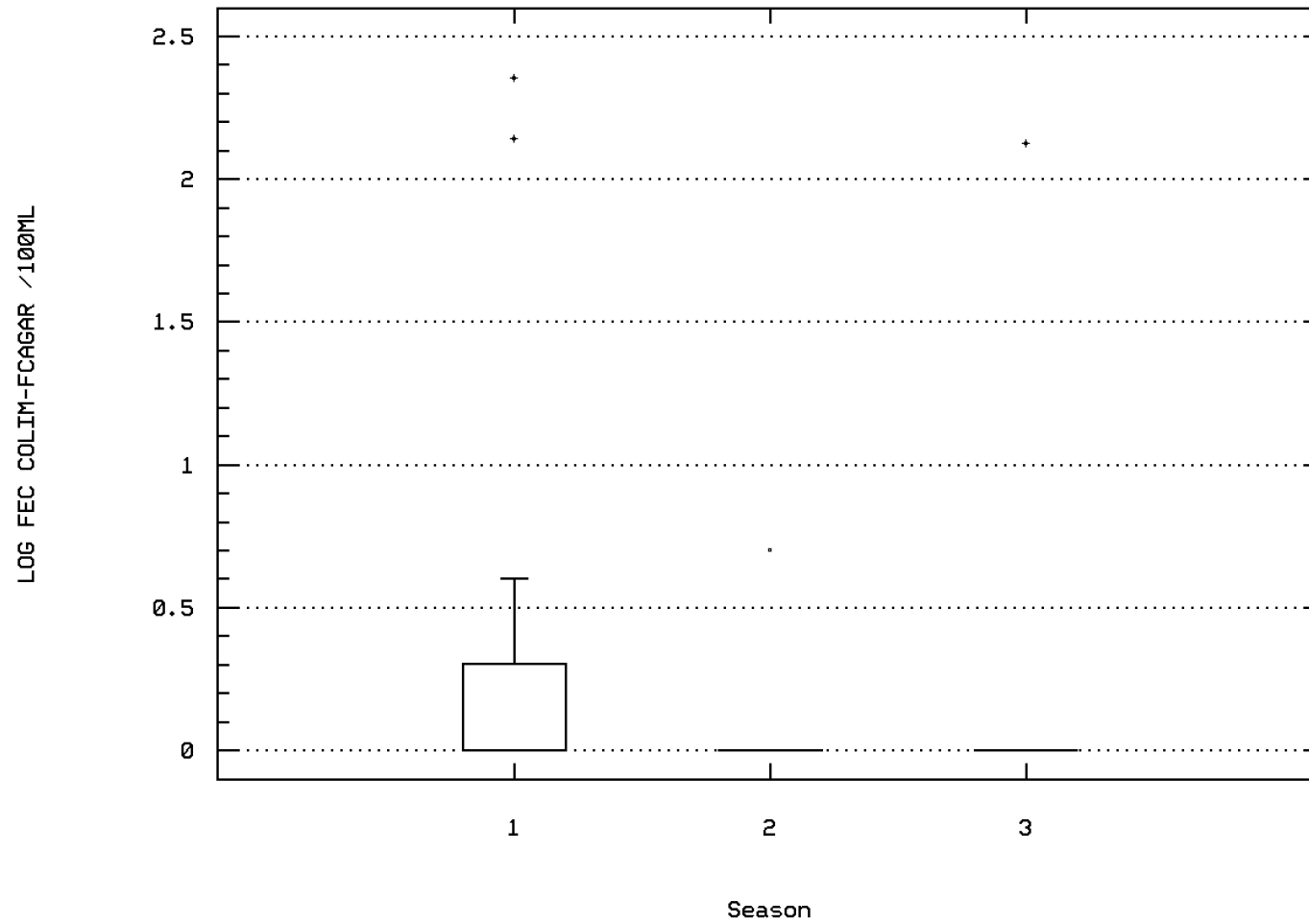
SALINITY - PARTS PER THOUSAND



FISH BAY-100 FT OFF NORTH SHORE

Station: VIIS0050 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



FISH BAY-100 FT OFF NORTH SHORE

Station Inventory for Station: VIIS0051

NPS Station ID: VIIS0051
 Location: FISH BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.323170/ -64.765365

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_FIBA22
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	65	28.6	28.531	31.6	26.3	1.911	1.382	26.5	27.25	29.65	30.2
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	30.	38.6	100.	0.	742.244	27.244	10.	15.	55.	90.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	63	5.	6.754	15.	0.	10.733	3.276	3.4	5.	10.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	23.5	26.187	65.2	0.8	419.768	20.488	2.38	6.65	46.85	56.81
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	62	2.	2.138	6.67	0.9	1.028	1.014	1.	1.5	2.5	3.33
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	59	53800.	45759.051	56700.	51.	383674529.601	19587.612	55.	52400.	54800.	55300.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	65	6.9	6.902	9.1	5.6	0.417	0.646	6.	6.55	7.2	7.6
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	57	7.79	7.776	8.79	7.23	0.14	0.374	7.35	7.4	8.1	8.222
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	57	7.79	7.64	8.79	7.23	0.159	0.399	7.35	7.4	8.1	8.222
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	57	0.016	0.023	0.059	0.002	0.	0.016	0.006	0.008	0.04	0.045
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	60	35.7	35.615	37.7	33.	1.029	1.015	34.31	35.025	36.375	36.89
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.009	0.009	0.018	0.003	0.	0.005	0.003	0.004	0.015	0.017
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.001	0.	0.001	0.001	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.009	0.	0.	0.003	0.	0.001	0.004	0.008
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.004	0.01	0.001	0.	0.003	0.001	0.002	0.005	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.008	0.002	0.	0.002	0.002	0.003	0.007	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	60	1.05	1.282	4.4	0.3	0.964	0.982	0.5	0.6	1.675	2.37
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	64	2.	2.234	6.7	1.	0.885	0.941	1.3	1.725	2.5	3.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0051

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	65	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	15	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	57	0	0.00	26	0	0.00	14	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	57	0	0.00	26	0	0.00	14	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	60	0	0.00	30	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	28.344	30.3	26.4	2.083	1.443	26.4	26.9	29.6	30.3
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	25.	38.778	99.	10.	939.694	30.654	10.	15.	65.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.667	10.	5.	6.25	2.5	5.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.	1.156	2.	0.9	0.13	0.361	0.9	1.	1.25	2.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	53700.	53700.	54000.	53400.	66666.667	258.199	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.422	7.5	5.7	0.382	0.618	5.7	5.85	6.9	7.5
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.4	35.4	37.7	33.	2.775	1.666	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	1.3	1.729	4.4	0.4	2.212	1.487	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	1.3	1.378	2.	1.	0.092	0.303	1.	1.15	1.5	2.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	28.45	28.267	29.9	26.5	1.955	1.398	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	30.	31.667	70.	0.	696.667	26.394	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	5.	5.833	10.	5.	4.167	2.041	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	7.	13.5	31.	2.5	234.75	15.322	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	5	1.5	1.5	2.	1.	0.25	0.5	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	52300.	52316.667	53300.	51300.	429666.667	655.49	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	6.7	6.683	7.6	5.6	0.59	0.768	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	34.5	34.517	35.2	33.8	0.222	0.471	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	1.	1.067	1.8	0.6	0.163	0.403	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	1.75	1.583	2.	1.	0.242	0.492	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	29.3	28.873	31.6	26.3	2.168	1.472	26.5	27.4	29.6	31.28
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	40.	51.364	95.	30.	490.455	22.146	30.	40.	60.	94.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	10.	7.727	10.	5.	6.818	2.611	5.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	11	5.6	11.218	41.1	2.	144.6	12.025	2.1	4.7	16.	37.92
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	2.	2.077	3.	1.5	0.233	0.482	1.5	1.8	2.5	2.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54200.	54209.091	55500.	53200.	484909.091	696.354	53260.	53500.	54800.	55380.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.8	6.809	7.5	6.	0.141	0.375	6.08	6.8	6.9	7.42
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.9	35.873	36.9	35.1	0.31	0.557	35.14	35.3	36.4	36.8
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	1.25	1.58	4.4	0.6	1.168	1.081	0.62	0.875	1.825	4.15
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	2.3	2.309	3.	2.	0.127	0.356	2.	2.	2.5	2.96

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.55	28.56	30.2	26.4	2.007	1.417	26.46	27.075	29.975	30.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	35.	33.5	60.	10.	294.722	17.167	10.5	15.	50.	59.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.75	6.3	10.	4.	3.344	1.829	4.1	5.	7.5	9.75
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	21.7	19.03	44.6	0.8	203.793	14.276	0.86	1.925	27.85	42.94
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	2.	2.017	3.	1.	0.59	0.768	1.	1.25	2.75	3.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54700.	54011.111	55900.	51200.	2353611.111	1534.148	51200.	52850.	55200.	55900.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	7.05	7.35	9.1	6.5	0.816	0.903	6.51	6.675	7.9	9.07
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.689	37.1	33.6	1.309	1.144	33.6	34.8	36.6	37.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.3	1.911	4.4	0.8	1.719	1.311	0.8	1.1	2.9	4.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.	2.12	3.	1.5	0.34	0.583	1.5	1.5	2.625	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	29.1	28.791	31.2	26.5	2.181	1.477	26.58	27.3	29.8	31.02
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	30.	39.545	70.	15.	342.273	18.501	17.	25.	60.	69.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.111	12.5	0.5	18.174	4.263	0.5	2.75	10.	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	29.4	32.22	56.6	10.6	290.073	17.032	10.64	15.125	48.175	56.17
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	2.	2.047	2.5	1.5	0.099	0.314	1.517	1.918	2.275	2.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54300.	54172.727	55300.	52200.	894181.818	945.612	52340.	53900.	55000.	55280.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	7.2	7.173	8.3	6.	0.338	0.582	6.16	6.9	7.6	8.18
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.9	35.773	36.6	34.4	0.558	0.747	34.42	35.5	36.5	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	1.1	1.19	2.1	0.3	0.372	0.61	0.32	0.725	1.8	2.07
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.05	2.13	2.5	1.7	0.062	0.25	1.73	2.	2.35	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.9	28.389	30.6	26.4	2.619	1.618	26.4	26.8	29.9	30.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	37.778	95.	5.	1356.944	36.837	5.	7.5	80.	95.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	8.	8.667	15.	5.	12.	3.464	5.	5.	11.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	47.5	51.067	58.7	47.	43.763	6.615	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	2.35	2.898	4.57	1.89	1.159	1.076	1.89	2.115	4.115	4.57
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55100.	54700.	56700.	53100.	1337500.	1156.503	53100.	53550.	55350.	56700.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.8	6.733	7.3	6.	0.175	0.418	6.	6.4	7.05	7.3
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.5	36.222	37.6	35.1	0.667	0.817	35.1	35.4	36.7	37.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.6	0.567	0.7	0.4	0.01	0.1	0.4	0.5	0.65	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.4	2.911	4.6	1.9	1.191	1.091	1.9	2.1	4.15	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.3	28.267	29.9	26.5	1.223	1.106	26.5	27.25	29.15	29.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	32.778	100.	5.	1500.694	38.739	5.	10.	65.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.5	15.	0.	23.313	4.828	0.	1.	8.75	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	52.8	41.667	65.2	4.2	575.548	23.991	4.2	13.75	60.65	65.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.03	3.012	6.67	1.33	2.55	1.597	1.33	1.83	3.485	6.67
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.778	56.	51.	2.694	1.641	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	7.	6.978	7.8	6.4	0.197	0.444	6.4	6.6	7.25	7.8
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.7	35.278	37.	33.4	1.397	1.182	33.4	34.25	36.05	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.7	0.933	2.4	0.3	0.398	0.63	0.3	0.5	1.2	2.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	3.	6.7	1.3	2.573	1.604	1.3	1.85	3.45	6.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	31	29.5	29.261	31.6	27.	1.224	1.107	27.5	28.3	29.9	30.54
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	31	35.	43.677	100.	5.	979.559	31.298	10.	15.	65.	98.2
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	31	5.	6.403	12.5	0.	10.39	3.223	1.7	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	30	2.165	2.576	6.67	1.	1.297	1.139	1.525	2.	3.	4.479
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	30	53800.	46703.8	56700.	51.	347614256.097	18644.416	55.	52550.	54500.	55100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	31	6.8	6.748	7.8	5.6	0.362	0.602	5.84	6.3	7.2	7.58
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	26	7.81	7.753	8.27	7.23	0.114	0.337	7.327	7.368	8.03	8.196
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	26	7.81	7.633	8.27	7.23	0.129	0.359	7.327	7.368	8.03	8.196
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	26	0.015	0.023	0.059	0.005	0.	0.017	0.006	0.009	0.043	0.047
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	30	35.7	35.603	37.7	33.6	0.996	0.998	33.87	35.2	36.125	36.78
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	30	0.8	0.997	3.	0.3	0.393	0.627	0.5	0.5	1.2	2.07
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	30	2.25	2.6	6.7	1.	1.275	1.129	1.53	2.	3.	4.51

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	15	26.6	26.72	27.3	26.3	0.119	0.345	26.36	26.4	27.	27.3
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	15	25.	27.	60.	10.	231.429	15.213	10.	15.	40.	54.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	14	5.	6.643	15.	4.	11.286	3.359	4.5	5.	7.375	13.75
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	14	1.8	1.639	2.22	0.9	0.224	0.474	0.95	1.	2.025	2.16
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	13	53200.	45577.538	55300.	53.	409235806.269	20229.578	53.8	52400.	54800.	55260.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	15	7.	7.187	8.8	6.	0.443	0.665	6.42	6.9	7.5	8.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	14	7.7	7.782	8.46	7.38	0.12	0.346	7.39	7.468	8.047	8.32
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	14	7.699	7.672	8.46	7.38	0.133	0.364	7.39	7.467	8.047	8.32
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	14	0.02	0.021	0.042	0.003	0.	0.014	0.005	0.009	0.034	0.041
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	14	35.2	35.414	36.6	33.	0.997	0.998	33.7	34.95	36.25	36.55
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	14	1.65	1.714	4.4	0.3	1.612	1.27	0.35	0.675	1.9	4.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	15	1.9	1.793	2.3	1.	0.178	0.422	1.	1.5	2.1	2.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	19	28.7	28.768	30.3	27.1	0.95	0.975	27.3	28.	29.8	30.
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	19	40.	39.474	95.	0.	669.152	25.868	5.	15.	60.	70.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	18	7.5	7.444	15.	0.5	11.438	3.382	2.75	5.	10.	10.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	18	1.5	1.797	3.64	1.	0.638	0.798	1.	1.	2.388	3.361
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	16	54050.	44135.125	55900.	52.	479472041.05	21896.85	53.4	52250.	55150.	55690.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	19	6.9	6.926	9.1	5.9	0.426	0.653	6.2	6.6	7.1	7.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	17	7.77	7.805	8.79	7.33	0.214	0.462	7.346	7.395	8.175	8.462
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	17	7.77	7.625	8.79	7.33	0.248	0.498	7.346	7.395	8.175	8.462
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	17	0.017	0.024	0.047	0.002	0.	0.018	0.004	0.007	0.04	0.045
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	16	35.85	35.812	37.1	33.4	1.18	1.086	34.03	35.05	36.825	37.03
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	16	1.15	1.438	4.4	0.5	1.271	1.127	0.57	0.725	1.675	4.05
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	19	2.	2.005	3.6	1.	0.466	0.683	1.3	1.5	2.5	3.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0052

NPS Station ID: VIIS0052
 Location: FISH BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.323892/ -64.765560

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-59 /STJ-9 /STJ48(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0052

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.2	29.233	29.5	29.	0.063	0.252	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.2	6.125	7.1	5.	0.909	0.954	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	32.85	32.85	33.3	32.4	0.405	0.636	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	23.5	23.5	24.	23.	0.5	0.707	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.22	0.18	0.29	0.03	0.018	0.135	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.019	0.018	0.025	0.01	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/18/72-11/09/79	3	4.5	10.633	24.	3.4	134.303	11.589	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	2 ##	15.5	15.5	30.	1.	420.5	20.506	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	201.	201.	400.	2.	79202.	281.428	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	2	9760.	9760.	19000.	520.	170755200.	13067.333	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	5.	20.5	72.	0.	1201.	34.655	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.5	0.714	1.857	0.	0.803	0.896	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5.18								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	1.	1.	1.	1.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	1.5	1.5	2.9	0.1	3.92	1.98	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0052

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0052

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	2.9	1	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	1	0.50	2	1	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0053

NPS Station ID: VIIS0053
 Location: RENDEZVOUS BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.318503/ -64.768420

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_RZBA23
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	64	28.15	27.891	30.1	25.6	1.419	1.191	26.2	26.825	28.9	29.25
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	62	30.	38.532	100.	0.	757.335	27.52	10.	20.	50.	90.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	62	10.	8.435	18.	0.5	12.881	3.589	5.	5.	10.	12.5
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	45	80.	79.296	94.5	62.	54.889	7.409	69.8	73.5	84.15	90.1
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	60	3.	3.056	5.18	0.3	0.814	0.902	2.	2.5	3.66	4.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	58	53900.	45623.862	56100.	51.	389241091.665	19729.194	54.9	52300.	54700.	55400.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	64	7.	7.105	9.7	6.	0.32	0.565	6.5	6.8	7.4	7.8
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	57	7.84	7.811	8.73	7.25	0.135	0.368	7.386	7.41	8.155	8.264
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	57	7.84	7.674	8.73	7.25	0.154	0.393	7.386	7.41	8.155	8.264
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	57	0.014	0.021	0.056	0.002	0.	0.015	0.005	0.007	0.039	0.041
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	59	35.7	35.603	37.3	33.5	0.861	0.928	34.2	35.	36.3	36.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.008	0.009	0.018	0.003	0.	0.004	0.003	0.006	0.011	0.017
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.001	0.	0.	0.002	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.007	0.	0.	0.002	0.	0.	0.004	0.006
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.008	0.001	0.	0.002	0.001	0.001	0.006	0.007
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.013	0.002	0.	0.003	0.002	0.003	0.007	0.011
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.3	0.354	0.9	0.06	0.04	0.2	0.2	0.2	0.4	0.7
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	3.	3.056	5.2	0.3	0.79	0.889	2.	2.5	3.7	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0053

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	64	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	14	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	57	0	0.00	27	0	0.00	13	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	57	0	0.00	27	0	0.00	13	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	30	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	27.656	29.2	25.9	1.508	1.228	25.9	26.25	28.6	29.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	36.	99.	10.	920.25	30.336	10.	15.	60.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	7.778	10.	5.	6.944	2.635	5.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	2.875	3.125	4.	2.5	0.393	0.627	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54000.	54100.	54500.	53900.	73333.333	270.801	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.9	6.956	7.5	6.1	0.18	0.425	6.1	6.75	7.35	7.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.86	7.976	8.31	7.74	0.047	0.217	7.74	7.815	8.225	8.31
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.86	7.933	8.31	7.74	0.049	0.221	7.74	7.815	8.225	8.31
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.014	0.012	0.018	0.005	0.	0.005	0.005	0.006	0.015	0.018
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.7	35.24	36.	33.5	1.008	1.004	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.329	0.8	0.1	0.072	0.269	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	3.122	4.	2.5	0.337	0.58	2.5	2.65	3.75	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	27.6	27.433	29.3	25.6	1.623	1.274	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	30.	30.	50.	0.	400.	20.	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	7.5	7.5	10.	5.	7.5	2.739	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	4	73.	73.125	79.9	66.6	35.503	5.958	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	3.5	3.417	4.5	2.5	0.742	0.861	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	52200.	52233.333	53100.	51200.	422666.667	650.128	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	7.05	7.067	8.	6.3	0.367	0.606	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	6	7.415	7.45	7.76	7.25	0.029	0.171	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	6	7.415	7.425	7.76	7.25	0.03	0.174	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	6	0.038	0.038	0.056	0.017	0.	0.013	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	34.45	34.417	35.	33.6	0.25	0.5	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.35	0.433	0.9	0.2	0.075	0.273	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	3.5	3.417	4.5	2.5	0.742	0.861	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.6	28.31	29.9	26.1	1.314	1.146	26.21	27.275	29.15	29.84
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	50.	53.889	95.	30.	548.611	23.422	30.	35.	70.	95.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	10.	10.	15.	5.	11.111	3.333	5.	8.75	11.25	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	10	79.7	77.63	84.4	62.	47.131	6.865	63.05	72.875	82.725	84.36
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	2.5	2.6	3.5	2.	0.267	0.516	2.	2.	3.	3.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	10	54150.	54260.	55300.	53700.	273777.778	523.238	53700.	53850.	54650.	55250.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	7.2	7.23	7.7	6.9	0.056	0.236	6.91	7.075	7.4	7.67
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	10	7.4	7.396	7.44	7.35	0.001	0.026	7.351	7.383	7.413	7.438
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	10	7.4	7.395	7.44	7.35	0.001	0.026	7.351	7.382	7.413	7.438
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	10	0.04	0.04	0.045	0.036	0.	0.002	0.036	0.039	0.041	0.045
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	10	35.85	35.91	36.6	35.4	0.143	0.378	35.41	35.65	36.225	36.57
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.389	0.9	0.2	0.059	0.242	0.2	0.25	0.5	0.9
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.5	2.6	3.5	2.	0.267	0.516	2.	2.	3.	3.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.85	27.8	29.2	26.2	1.318	1.148	26.23	26.725	29.05	29.2
00032	CLOUD COVER (PERCENT)	10	32.5	35.	60.	10.	288.889	16.997	10.5	18.75	50.	59.
00035	WIND VELOCITY (MILES PER HOUR)	10	7.5	7.15	12.5	4.	6.781	2.604	4.1	5.	8.125	12.25
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	74.1	75.66	82.	70.1	15.256	3.906	70.32	72.6	79.7	81.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	8	2.625	2.881	4.	1.5	0.991	0.996	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600.	53966.667	56000.	51100.	2512500.	1585.087	51100.	52700.	55200.	56000.
00300	OXYGEN, DISSOLVED MG/L	10	7.45	7.53	9.7	6.6	0.878	0.937	6.62	6.8	7.925	9.56
00406	PH, FIELD, STANDARD UNITS SU	10	7.48	7.567	7.95	7.34	0.047	0.217	7.345	7.398	7.798	7.94
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.48	7.524	7.95	7.34	0.049	0.222	7.345	7.397	7.797	7.94
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.033	0.03	0.046	0.011	0.	0.012	0.012	0.016	0.04	0.045
00480	SALINITY - PARTS PER THOUSAND	9	36.1	35.678	37.2	33.6	1.372	1.171	33.6	34.7	36.6	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.411	0.8	0.2	0.046	0.215	0.2	0.25	0.6	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	2.65	2.86	4.	1.5	0.787	0.887	1.55	2.225	4.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.2	27.973	30.1	26.2	1.466	1.211	26.22	26.9	28.8	29.92
00032	CLOUD COVER (PERCENT)	10	32.5	43.	85.	25.	451.111	21.239	25.	25.	58.75	83.5
00035	WIND VELOCITY (MILES PER HOUR)	9	7.5	7.278	12.5	0.5	20.132	4.487	0.5	3.75	12.5	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	9	86.3	84.4	92.8	69.5	52.33	7.234	69.5	79.65	89.9	92.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	3.	2.781	4.	1.75	0.423	0.651	1.796	2.24	3.125	3.92
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54300.	54109.091	55200.	52300.	704909.091	839.589	52480.	53500.	54700.	55160.
00300	OXYGEN, DISSOLVED MG/L	11	7.	7.073	7.9	6.5	0.196	0.443	6.52	6.7	7.2	7.88
00406	PH, FIELD, STANDARD UNITS SU	5	7.97	7.952	8.16	7.72	0.031	0.176	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	5	7.97	7.923	8.16	7.72	0.032	0.179	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	5	0.011	0.012	0.019	0.007	0.	0.005	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	35.9	35.755	36.6	34.5	0.413	0.642	34.58	35.4	36.3	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.3	0.336	0.7	0.06	0.038	0.196	0.074	0.2	0.45	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.	2.79	4.	1.8	0.408	0.638	1.84	2.275	3.125	3.92

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.5	27.933	30.	26.2	1.945	1.395	26.2	26.65	29.1	30.
00032	CLOUD COVER (PERCENT)	9	20.	35.556	95.	5.	1265.278	35.571	5.	10.	72.5	95.
00035	WIND VELOCITY (MILES PER HOUR)	9	10.	10.444	18.	8.	8.778	2.963	8.	9.	10.	18.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	90.4	91.6	94.5	89.9	6.37	2.524	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.35	3.187	3.66	2.44	0.162	0.403	2.44	2.91	3.505	3.66
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54800.	54711.111	56100.	53200.	1021111.111	1010.5	53200.	53650.	55450.	56100.
00300	OXYGEN, DISSOLVED MG/L	9	6.8	6.733	7.4	6.	0.22	0.469	6.	6.35	7.15	7.4
00406	PH, FIELD, STANDARD UNITS SU	8	8.085	8.116	8.32	7.97	0.017	0.129	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	8	8.08	8.1	8.32	7.97	0.017	0.131	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	8	0.008	0.008	0.011	0.005	0.	0.002	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	9	36.4	36.278	37.3	35.1	0.572	0.756	35.1	35.5	36.85	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.278	0.5	0.2	0.009	0.097	0.2	0.2	0.3	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	3.4	3.222	3.7	2.4	0.179	0.424	2.4	2.95	3.55	3.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.2	27.922	29.9	26.1	1.454	1.206	26.1	26.7	28.6	29.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	33.333	100.	5.	1550.	39.37	5.	5.	70.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	8.556	15.	0.5	25.215	5.021	0.5	4.5	12.75	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	9	81.3	78.722	84.3	65.5	38.984	6.244	65.5	75.2	82.1	84.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.79	3.589	5.18	0.3	2.564	1.601	0.3	2.575	5.	5.18
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.778	56.	51.	2.694	1.641	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	7.	7.078	7.8	6.5	0.162	0.402	6.5	6.85	7.35	7.8
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.2	8.269	8.73	8.1	0.039	0.198	8.1	8.13	8.345	8.73
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.2	8.236	8.73	8.1	0.04	0.201	8.1	8.13	8.345	8.73
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.006	0.006	0.008	0.002	0.	0.002	0.002	0.005	0.007	0.008
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.2	35.322	36.9	33.7	1.069	1.034	33.7	34.5	36.15	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.322	0.5	0.2	0.014	0.12	0.2	0.2	0.45	0.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.8	3.6	5.2	0.3	2.635	1.623	0.3	2.55	5.05	5.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.9	28.719	30.1	27.	0.644	0.802	27.36	28.2	29.2	29.9
00032	CLOUD COVER (PERCENT)	30	30.	44.3	100.	5.	1035.39	32.177	10.	20.	73.75	98.6
00035	WIND VELOCITY (MILES PER HOUR)	31	8.	8.129	15.	0.5	13.516	3.676	4.	5.	10.	14.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.	3.023	5.15	1.5	0.769	0.877	2.	2.47	3.725	4.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	53950.	46760.467	56100.	51.	348348074.947	18664.085	55.	52525.	54500.	55340.
00300	OXYGEN, DISSOLVED MG/L	31	7.	6.926	7.8	6.	0.211	0.459	6.3	6.6	7.3	7.56
00406	PH, FIELD, STANDARD UNITS SU	27	7.85	7.793	8.28	7.25	0.116	0.341	7.358	7.4	8.15	8.212
00406	CONVERTED PH, FIELD, STANDARD UNITS	27	7.85	7.668	8.28	7.25	0.132	0.364	7.358	7.4	8.15	8.212
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	27	0.014	0.021	0.056	0.005	0.	0.016	0.006	0.007	0.04	0.044
00480	SALINITY - PARTS PER THOUSAND	30	35.7	35.577	37.3	33.6	0.809	0.9	33.79	35.15	36.1	36.67
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.3	0.409	0.9	0.06	0.049	0.221	0.2	0.275	0.6	0.79
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.	3.033	5.2	1.5	0.76	0.872	2.	2.475	3.725	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	14	26.2	26.257	26.9	25.6	0.098	0.313	25.75	26.1	26.5	26.75
00032	CLOUD COVER (PERCENT)	14	22.5	26.786	60.	5.	286.951	16.94	7.5	13.75	40.	57.5
00035	WIND VELOCITY (MILES PER HOUR)	13	7.5	8.462	18.	5.	16.644	4.08	5.	5.	11.	15.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	12	3.	2.976	5.18	0.3	1.462	1.209	0.873	2.35	3.463	4.976
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12	53300.	44925.667	55200.	53.	440230866.242	20981.679	53.6	52400.	54775.	55140.
00300	OXYGEN, DISSOLVED MG/L	14	7.05	7.179	7.9	6.7	0.128	0.358	6.75	6.9	7.525	7.75
00406	PH, FIELD, STANDARD UNITS SU	13	7.76	7.832	8.41	7.41	0.105	0.325	7.414	7.495	8.085	8.334
00406	CONVERTED PH, FIELD, STANDARD UNITS	13	7.76	7.729	8.41	7.41	0.117	0.342	7.414	7.495	8.085	8.334
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	13	0.017	0.019	0.039	0.004	0.	0.013	0.005	0.008	0.032	0.039
00480	SALINITY - PARTS PER THOUSAND	13	35.3	35.469	36.6	33.5	0.841	0.917	33.9	34.9	36.25	36.52
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	13	0.2	0.254	0.4	0.2	0.006	0.078	0.2	0.2	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	14	3.	2.95	5.2	0.3	1.264	1.124	1.25	2.45	3.425	4.85

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.7	27.742	29.2	26.2	0.543	0.737	26.8	27.2	28.3	28.6
00032	CLOUD COVER (PERCENT)	18	45.	38.056	95.	0.	559.232	23.648	4.5	20.	50.	63.5
00035	WIND VELOCITY (MILES PER HOUR)	18	10.	8.944	13.	0.5	10.173	3.19	4.55	6.875	10.	12.55
00078	TRANSPARENCY, SECCHI DISC (METERS)	19	3.2	3.155	4.55	1.75	0.562	0.75	2.	2.5	4.	4.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53950.	44016.375	56000.	52.	477077231.05	21842.098	53.4	52025.	55150.	55720.
00300	OXYGEN, DISSOLVED MG/L	19	7.1	7.342	9.7	6.5	0.556	0.746	6.5	6.9	7.8	8.3
00406	PH, FIELD, STANDARD UNITS SU	17	7.84	7.822	8.73	7.34	0.205	0.453	7.38	7.4	8.24	8.402
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.84	7.644	8.73	7.34	0.239	0.489	7.38	7.4	8.24	8.402
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.014	0.023	0.046	0.002	0.	0.017	0.004	0.006	0.04	0.042
00480	SALINITY - PARTS PER THOUSAND	16	35.7	35.763	37.2	34.	1.049	1.024	34.14	34.95	36.75	36.99
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.3	0.331	0.9	0.1	0.041	0.202	0.1	0.2	0.4	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.2	3.168	4.6	1.8	0.561	0.749	2.	2.5	4.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0054

NPS Station ID: VIIS0054
 Location: KLEIN BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.319448/ -64.769726

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-58 /ST58 /STJ47(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0054

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	2	29.05	29.05	29.1	29.	0.005	0.071	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	3	5.6	6.067	7.2	5.4	0.973	0.987	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.35	33.35	33.6	33.1	0.125	0.354	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	15.	15.	18.	12.	18.	4.243	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.115	0.115	0.22	0.01	0.022	0.148	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.014	0.014	0.017	0.01	0.	0.005	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.95	3.95	5.5	2.4	4.805	2.192	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	3	1.	1.333	3.	0.	2.333	1.528	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	3	0.	0.159	0.477	0.	0.076	0.275	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.442								
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0054

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	Obs 3 Exceed 0 Prop. 0.00	Obs 3 Exceed 0 Prop. 0.00	Obs 3 Exceed 0 Prop. 0.00	Obs 3 Exceed 0 Prop. 0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	Obs 3 Exceed 0 Prop. 0.00	Obs 3 Exceed 0 Prop. 0.00	Obs 3 Exceed 0 Prop. 0.00	Obs 3 Exceed 0 Prop. 0.00
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	Obs 2 Exceed 0 Prop. 0.00	Obs 2 Exceed 0 Prop. 0.00	Obs 2 Exceed 0 Prop. 0.00	Obs 2 Exceed 0 Prop. 0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	Obs 1 Exceed 0 Prop. 0.00	Obs 1 Exceed 0 Prop. 0.00	Obs 1 Exceed 0 Prop. 0.00	Obs 1 Exceed 0 Prop. 0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0055

NPS Station ID: VIIS0055
 Location: TRUNK BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.353281/ -64.769892

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_TRBA05
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.5	27.3	29.1	25.2	1.424	1.193	25.67	26.075	28.425	28.8
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	40.	46.631	100.	5.	808.737	28.438	13.4	25.	70.	92.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	65	5.	6.546	15.	0.	14.912	3.862	2.	5.	10.	11.6
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	82.4	81.276	100.	59.5	57.793	7.602	72.05	75.15	86.5	89.73
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	6.5	6.494	9.09	1.5	1.516	1.231	5.098	6.	7.13	7.984
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54250.	46104.533	56100.	51.	381447835.643	19530.69	55.	52850.	54800.	55300.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.2	6.326	7.6	5.7	0.196	0.443	5.8	6.	6.6	7.03
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	64	7.87	7.794	8.98	7.27	0.118	0.343	7.385	7.425	8.078	8.175
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	64	7.87	7.677	8.98	7.27	0.132	0.363	7.385	7.425	8.078	8.175
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	64	0.014	0.021	0.054	0.001	0.	0.014	0.007	0.008	0.038	0.041
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.1	35.782	37.3	33.4	0.764	0.874	34.42	35.25	36.3	36.7
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.006	0.008	0.016	0.003	0.	0.004	0.003	0.004	0.012	0.015
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.001	0.	0.	0.001	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.002	0.004	0.	0.	0.001	0.	0.001	0.003	0.004
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.005	0.001	0.	0.002	0.001	0.001	0.004	0.005
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.006	0.021	0.002	0.	0.005	0.002	0.003	0.006	0.017
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.2	0.304	1.	0.03	0.036	0.19	0.1	0.2	0.4	0.6
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	6.5	6.752	11.	4.5	1.205	1.098	5.8	6.	7.3	8.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0055

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			
	Other-Lo Lim.	6.5	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	28	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.6	27.089	28.4	25.6	1.446	1.203	25.6	25.85	28.2	28.4
00032	CLOUD COVER (PERCENT)	9	50.	56.333	99.	11.	1320.75	36.342	11.	20.	98.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	9	10.	8.333	15.	5.	12.5	3.536	5.	5.	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	8	6.25	6.125	7.	4.5	0.554	0.744	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4	54500.	54222.5	54700.	53190.	509358.333	713.693	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	9	6.2	6.2	6.6	6.	0.03	0.173	6.	6.1	6.25	6.6
00406	PH, FIELD, STANDARD UNITS SU	9	7.89	7.916	8.3	7.47	0.057	0.239	7.47	7.805	8.11	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.89	7.856	8.3	7.47	0.061	0.247	7.47	7.805	8.11	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.013	0.014	0.034	0.005	0.	0.008	0.005	0.008	0.016	0.034
00480	SALINITY - PARTS PER THOUSAND	5	36.	35.48	36.2	33.4	1.412	1.188	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	7	0.2	0.223	0.6	0.07	0.031	0.176	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	6.	6.111	7.	4.5	0.486	0.697	4.5	6.	6.5	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	26.7	26.643	28.7	25.2	1.693	1.301	**	**	**	**
00032	CLOUD COVER (PERCENT)	7	30.	42.857	80.	20.	757.143	27.516	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	7	10.	8.571	15.	0.	30.952	5.563	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	77.6	73.8	84.3	59.5	164.59	12.829	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	6.	5.286	6.5	1.5	3.071	1.753	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	7	52600.	52714.286	53700.	52100.	328095.238	572.796	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	7	6.5	6.543	7.5	5.9	0.25	0.5	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	7	7.39	7.496	7.89	7.27	0.05	0.224	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	7	7.39	7.453	7.89	7.27	0.052	0.229	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.041	0.035	0.054	0.013	0.	0.014	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	7	34.7	34.743	35.5	34.3	0.18	0.424	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	6	0.2	0.283	0.6	0.1	0.034	0.183	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	7	6.	5.929	6.5	5.	0.286	0.535	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.1	27.609	29.1	25.5	1.717	1.31	25.56	26.1	28.7	29.06
00032	CLOUD COVER (PERCENT)	11	50.	53.636	95.	25.	610.455	24.707	26.	30.	80.	94.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	7.727	15.	5.	11.818	3.438	5.	5.	10.	14.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	11	81.5	80.327	86.7	68.5	35.382	5.948	69.6	74.	86.	86.66
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	6.5	6.614	8.	5.5	0.617	0.786	5.6	6.	7.	8.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54500.	54472.727	55300.	53400.	310181.818	556.94	53520.	54100.	54800.	55300.
00300	OXYGEN, DISSOLVED MG/L	11	6.5	6.436	6.7	6.1	0.061	0.246	6.1	6.2	6.7	6.7
00406	PH, FIELD, STANDARD UNITS SU	11	7.39	7.404	7.45	7.38	0.001	0.025	7.38	7.38	7.42	7.448
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.39	7.403	7.45	7.38	0.001	0.025	7.38	7.38	7.42	7.448
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.041	0.04	0.042	0.035	0.	0.002	0.036	0.038	0.042	0.042
00480	SALINITY - PARTS PER THOUSAND	11	36.1	36.082	36.7	35.3	0.17	0.412	35.4	35.8	36.3	36.7
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.45	0.43	0.6	0.2	0.025	0.157	0.2	0.275	0.6	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	11	6.5	6.618	8.	5.5	0.614	0.783	5.6	6.	7.	8.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.3	27.39	28.9	25.9	1.488	1.22	25.91	26.075	28.8	28.89
00032	CLOUD COVER (PERCENT)	9	40.	53.889	90.	5.	861.111	29.345	5.	35.	80.	90.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	6.056	11.	3.5	6.653	2.579	3.5	5.	7.5	11.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	75.1	75.96	83.	71.	14.347	3.788	71.15	72.875	78.75	82.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	6.	6.357	8.	4.	1.726	1.314	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54700.	54266.667	56100.	51600.	2060000.	1435.27	51600.	53100.	55400.	56100.
00300	OXYGEN, DISSOLVED MG/L	10	6.55	6.61	7.6	5.8	0.61	0.781	5.8	5.875	7.325	7.58
00406	PH, FIELD, STANDARD UNITS SU	10	7.495	7.579	7.95	7.39	0.042	0.205	7.39	7.413	7.79	7.94
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.494	7.541	7.95	7.39	0.044	0.209	7.39	7.413	7.79	7.94
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.032	0.029	0.041	0.011	0.	0.011	0.012	0.016	0.039	0.041
00480	SALINITY - PARTS PER THOUSAND	9	36.3	35.889	37.3	33.9	1.181	1.087	33.9	35.	36.75	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.444	1.	0.2	0.068	0.26	0.2	0.25	0.6	1.
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	6.	6.85	10.	6.	1.781	1.334	6.	6.	7.625	9.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.5	27.391	29.	25.8	1.275	1.129	25.8	26.5	28.3	28.94
00032	CLOUD COVER (PERCENT)	11	35.	41.	66.	25.	234.	15.297	25.	30.	60.	64.8
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	5.136	12.5	0.5	13.505	3.675	0.6	2.5	7.5	11.8
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	86.8	86.94	90.9	82.4	9.012	3.002	82.51	83.875	89.675	90.86
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	7.	7.074	8.	6.	0.306	0.554	6.05	6.868	7.5	7.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54700.	54481.818	55200.	53300.	391636.364	625.809	53360.	53800.	54800.	55180.
00300	OXYGEN, DISSOLVED MG/L	11	6.2	6.264	7.	5.7	0.169	0.411	5.72	5.9	6.4	6.98
00406	PH, FIELD, STANDARD UNITS SU	10	7.985	7.997	8.22	7.83	0.02	0.14	7.832	7.88	8.102	8.215
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.979	7.978	8.22	7.83	0.02	0.141	7.832	7.88	8.102	8.215
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.011	0.011	0.015	0.006	0.	0.003	0.006	0.008	0.013	0.015
00480	SALINITY - PARTS PER THOUSAND	11	36.2	36.036	36.6	35.2	0.237	0.486	35.22	35.5	36.3	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	8	0.3	0.284	0.4	0.07	0.014	0.12	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	7.	7.08	8.	6.	0.308	0.555	6.05	6.875	7.5	7.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.2	27.4	28.9	25.6	1.638	1.28	25.6	26.2	28.65	28.9
00032	CLOUD COVER (PERCENT)	9	35.	39.778	100.	5.	971.694	31.172	5.	14.	60.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	4.222	10.	0.	7.694	2.774	0.	2.5	5.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	94.5	89.467	100.	73.9	189.303	13.759	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	7.01	6.428	7.92	3.	2.507	1.583	3.	5.64	7.615	7.92
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54800.	54777.778	55900.	53800.	486944.444	697.814	53800.	54100.	55350.	55900.
00300	OXYGEN, DISSOLVED MG/L	9	6.1	6.089	6.6	5.8	0.086	0.293	5.8	5.8	6.35	6.6
00406	PH, FIELD, STANDARD UNITS SU	9	7.91	8.002	8.26	7.89	0.019	0.136	7.89	7.9	8.125	8.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.91	7.985	8.26	7.89	0.019	0.137	7.89	7.9	8.125	8.26
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.012	0.01	0.013	0.005	0.	0.003	0.005	0.008	0.013	0.013
00480	SALINITY - PARTS PER THOUSAND	9	36.3	36.3	37.1	35.5	0.277	0.527	35.5	35.85	36.75	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.2	0.248	0.6	0.03	0.031	0.176	0.03	0.1	0.35	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	7.	7.311	11.	4.9	2.746	1.657	4.9	6.4	7.9	11.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.7	27.333	28.5	25.5	1.213	1.101	25.5	26.2	28.3	28.5
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	25.	37.778	100.	5.	1263.194	35.541	5.	12.5	72.5	100.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.278	15.	1.	19.319	4.395	1.	2.5	9.	15.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	83.1	81.811	88.5	65.6	43.001	6.558	65.6	80.95	85.4	88.5
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	6.67	7.146	9.09	5.49	1.31	1.145	5.49	6.38	8.18	9.09
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.556	55.	51.	2.778	1.667	51.	52.	55.	55.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	6.144	6.5	5.9	0.038	0.194	5.9	6.	6.3	6.5
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.145	8.239	8.98	8.02	0.095	0.308	**	**	**	**
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.144	8.176	8.98	8.02	0.099	0.315	**	**	**	**
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.007	0.01	0.001	0.	0.003	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.456	36.6	33.7	1.275	1.129	33.7	34.35	36.35	36.6
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.178	0.3	0.1	0.004	0.067	0.1	0.1	0.2	0.3
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	6.7	7.167	9.1	5.5	1.308	1.143	5.5	6.4	8.2	9.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.255	29.1	26.1	0.477	0.691	27.2	28.	28.7	28.9
00032	CLOUD COVER (PERCENT)	31	35.	40.161	100.	5.	758.206	27.536	6.2	20.	50.	90.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	5.484	12.5	0.	10.558	3.249	1.2	3.	9.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	6.5	6.685	9.09	3.	1.705	1.306	4.5	6.125	7.69	8.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54350.	46996.767	55900.	51.	351607418.53	18751.198	54.1	52992.5	54700.	55290.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.065	6.7	5.7	0.064	0.252	5.8	5.9	6.2	6.52
00406	PH, FIELD, STANDARD UNITS SU	29	7.89	7.776	8.22	7.27	0.092	0.303	7.38	7.395	8.035	8.17
00406	CONVERTED PH, FIELD, STANDARD UNITS	29	7.89	7.673	8.22	7.27	0.103	0.321	7.38	7.395	8.035	8.17
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	29	0.013	0.021	0.054	0.006	0.	0.015	0.007	0.009	0.04	0.042
00480	SALINITY - PARTS PER THOUSAND	30	36.1	35.813	37.1	33.7	0.697	0.835	34.31	35.525	36.3	36.69
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	28	0.3	0.313	0.7	0.07	0.026	0.162	0.19	0.2	0.4	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	6.85	7.133	11.	4.5	1.762	1.327	6.	6.375	7.9	9.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.8	25.744	26.5	25.2	0.095	0.308	25.27	25.525	25.9	26.15
00032	CLOUD COVER (PERCENT)	15	40.	48.6	99.	15.	680.114	26.079	18.	30.	70.	87.6
00035	WIND VELOCITY (MILES PER HOUR)	15	7.5	7.967	15.	0.	21.302	4.615	1.8	5.	11.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	6.5	6.235	8.	1.5	2.37	1.539	3.25	6.173	7.	7.505
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53750.	46300.571	55200.	53.	384441156.11	19607.171	54.	53050.	54725.	55050.
00300	OXYGEN, DISSOLVED MG/L	16	6.5	6.594	7.5	6.	0.19	0.436	6.07	6.225	6.925	7.36
00406	PH, FIELD, STANDARD UNITS SU	16	7.89	7.779	8.26	7.39	0.09	0.3	7.39	7.463	8.023	8.197
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.89	7.687	8.26	7.39	0.099	0.315	7.39	7.462	8.023	8.197
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.013	0.021	0.041	0.005	0.	0.013	0.006	0.01	0.034	0.041
00480	SALINITY - PARTS PER THOUSAND	15	35.5	35.547	36.6	33.4	0.66	0.812	34.18	35.2	36.2	36.42
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.25	0.345	1.	0.03	0.063	0.25	0.065	0.2	0.5	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	6.5	6.488	8.	5.	0.501	0.708	5.35	6.	7.	7.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.1	27.053	28.3	25.8	0.482	0.694	26.1	26.5	27.6	28.1
00032	CLOUD COVER (PERCENT)	19	50.	55.632	100.	8.	922.023	30.365	10.	30.	80.	98.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	7.158	15.	0.5	14.835	3.852	3.	5.	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	6.	6.388	8.	4.88	0.6	0.774	5.438	6.	7.068	7.55
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54550.	44260.063	56100.	51.	482147902.063	21957.867	53.8	52350.	55250.	55750.
00300	OXYGEN, DISSOLVED MG/L	19	6.4	6.526	7.6	5.9	0.221	0.47	6.	6.2	6.6	7.4
00406	PH, FIELD, STANDARD UNITS SU	19	7.85	7.835	8.98	7.38	0.191	0.437	7.38	7.42	8.1	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	19	7.85	7.674	8.98	7.38	0.218	0.467	7.38	7.42	8.1	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	19	0.014	0.021	0.042	0.001	0.	0.015	0.005	0.008	0.038	0.042
00480	SALINITY - PARTS PER THOUSAND	16	36.3	35.944	37.3	33.7	1.008	1.004	34.26	35.05	36.675	37.02
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.254	0.6	0.07	0.032	0.178	0.084	0.1	0.4	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	6.	6.374	8.	4.9	0.574	0.758	5.5	6.	7.	7.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0056

NPS Station ID: VIIS0056
 Location: RENDEVOUS 100 FT OFF SHORE KLEIN BAY 1.5/2.5 M
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.320559/ -64.770005

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-47
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	10	28.05	28.	29.2	26.4	1.378	1.174	26.42	26.975	29.125	29.2
00032 CLOUD COVER (PERCENT)	11/07/79-11/06/80	10	32.5	28.2	60.	3.	263.289	16.226	3.9	12.	35.	57.5
00035 WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	10	10.	10.2	13.	5.	7.956	2.821	5.3	8.	13.	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	10	2.	2.35	3.5	2.	0.336	0.58	2.	2.	3.	3.45
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	10	6.7	6.75	8.4	5.6	0.494	0.703	5.66	6.5	6.85	8.26
00400 PH (STANDARD UNITS)	11/07/79-11/06/80	10	8.2	8.16	8.3	8.	0.012	0.107	8.	8.038	8.25	8.295
00400 CONVERTED PH (STANDARD UNITS)	11/07/79-11/06/80	10	8.2	8.148	8.3	8.	0.012	0.108	8.	8.038	8.25	8.295
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/07/79-11/06/80	10	0.006	0.007	0.01	0.005	0.	0.002	0.005	0.006	0.009	0.01
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	10	35.7	35.78	36.9	34.8	0.48	0.692	34.8	35.175	36.35	36.86
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/06/80	10 ##	0.5	0.8	2.	0.5	0.4	0.632	0.5	0.5	0.875	2.
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/06/80	10 ##	-0.301	-0.181	0.301	-0.301	0.064	0.254	-0.301	-0.301	-0.151	0.301
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.66								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	10	0.6	0.72	1.4	0.3	0.113	0.336	0.32	0.5	0.9	1.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0056

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0057

NPS Station ID: VIIS0057
 Location: RENDEVOUS BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN - 100 FT OFF
 Minor Basin: SHORE AT KLEIN BAY-DEPTH 1.5/2.5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.320559/ -64.770005

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 47 /STJ47
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/73-01/23/86	36	28.	27.611	30.	24.1	2.58	1.606	25.	26.3	28.95	29.45
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	32	0.3	0.466	3.1	0.1	0.282	0.531	0.2	0.225	0.5	0.74
00078p	TRANSPARENCY, SECCHI DISC (METERS)	05/09/73-01/23/86	37	2.	1.351	2.5	0.	1.456	1.207	0.	0.	2.5	2.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	15	6.3	6.533	8.4	5.9	0.342	0.585	6.08	6.3	6.6	7.56
00300	OXYGEN, DISSOLVED MG/L	05/09/73-01/23/86	21	6.7	6.619	7.1	6.1	0.101	0.317	6.1	6.35	6.85	7.
00400	PH (STANDARD UNITS)	05/09/73-10/02/79	31	8.2	8.203	8.4	8.	0.009	0.096	8.1	8.15	8.3	8.3
00400	CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	31	8.2	8.193	8.4	8.	0.009	0.096	8.1	8.15	8.3	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	31	0.006	0.006	0.01	0.004	0.	0.001	0.005	0.005	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-01/23/86	35	35.6	35.74	38.	32.3	1.053	1.026	34.9	35.2	36.4	37.14
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	36	0.	0.264	7.	0.	1.364	1.168	0.	0.	0.	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/09/73-01/23/86	36	0.	-0.018	0.845	-0.301	0.033	0.182	0.	0.	0.	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.959								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-01/23/86	7	0.4	0.503	1.4	0.04	0.22	0.469	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

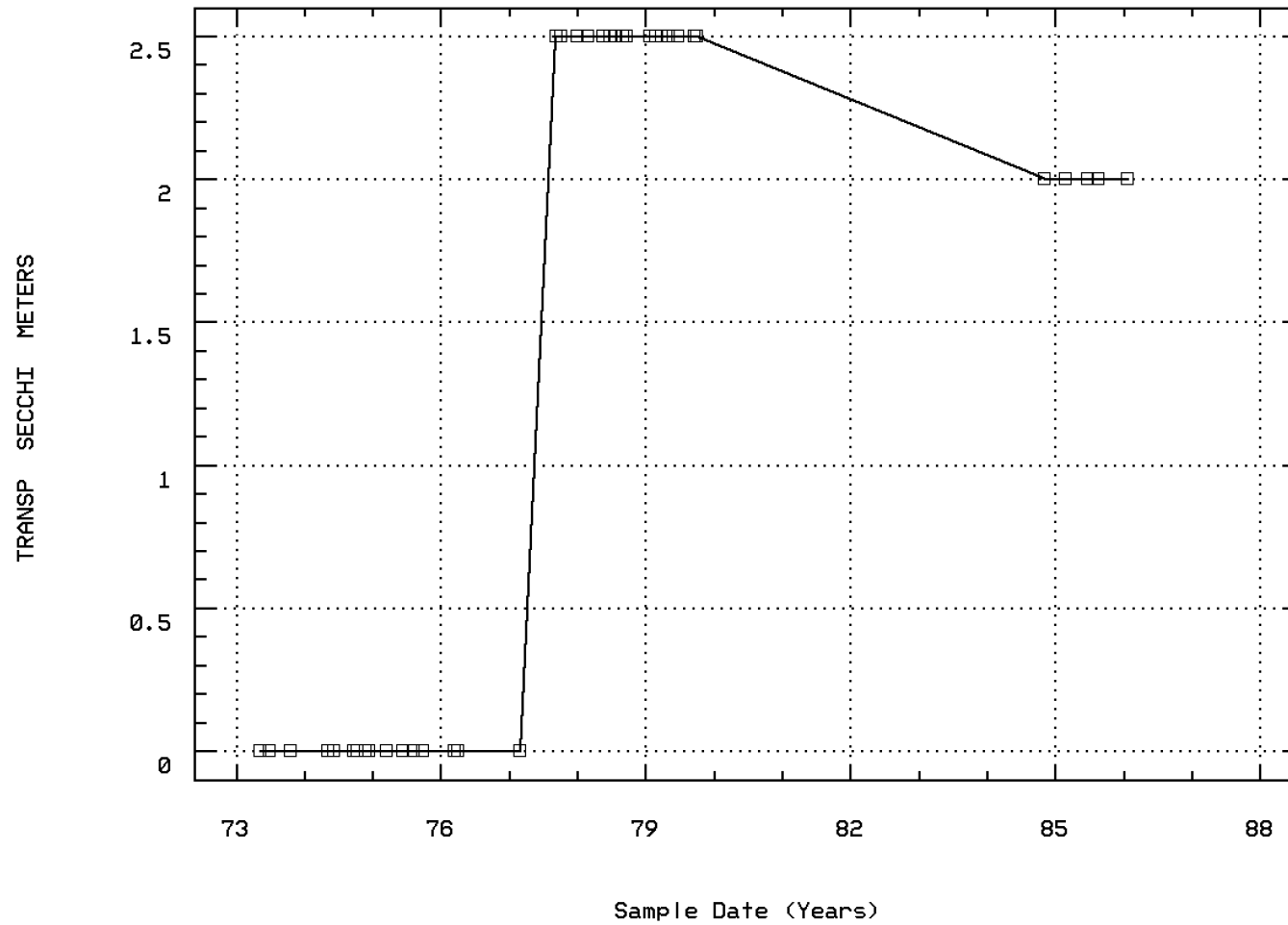
EPA Water Quality Criteria Analysis for Station: VIIS0057

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	32	0	0.00	14	0	0.00	6	0	0.00	12	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	15	0	0.00	7	0	0.00	3	0	0.00	5	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00		
00400	PH	Other-Hi Lim.	9.	31	0	0.00	13	0	0.00	6	0	0.00	12	0	0.00		
		Other-Lo Lim.	6.5	31	0	0.00	13	0	0.00	6	0	0.00	12	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	36	0	0.00	15	0	0.00	8	0	0.00	13	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	7	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0057 Parameter Code: 00078

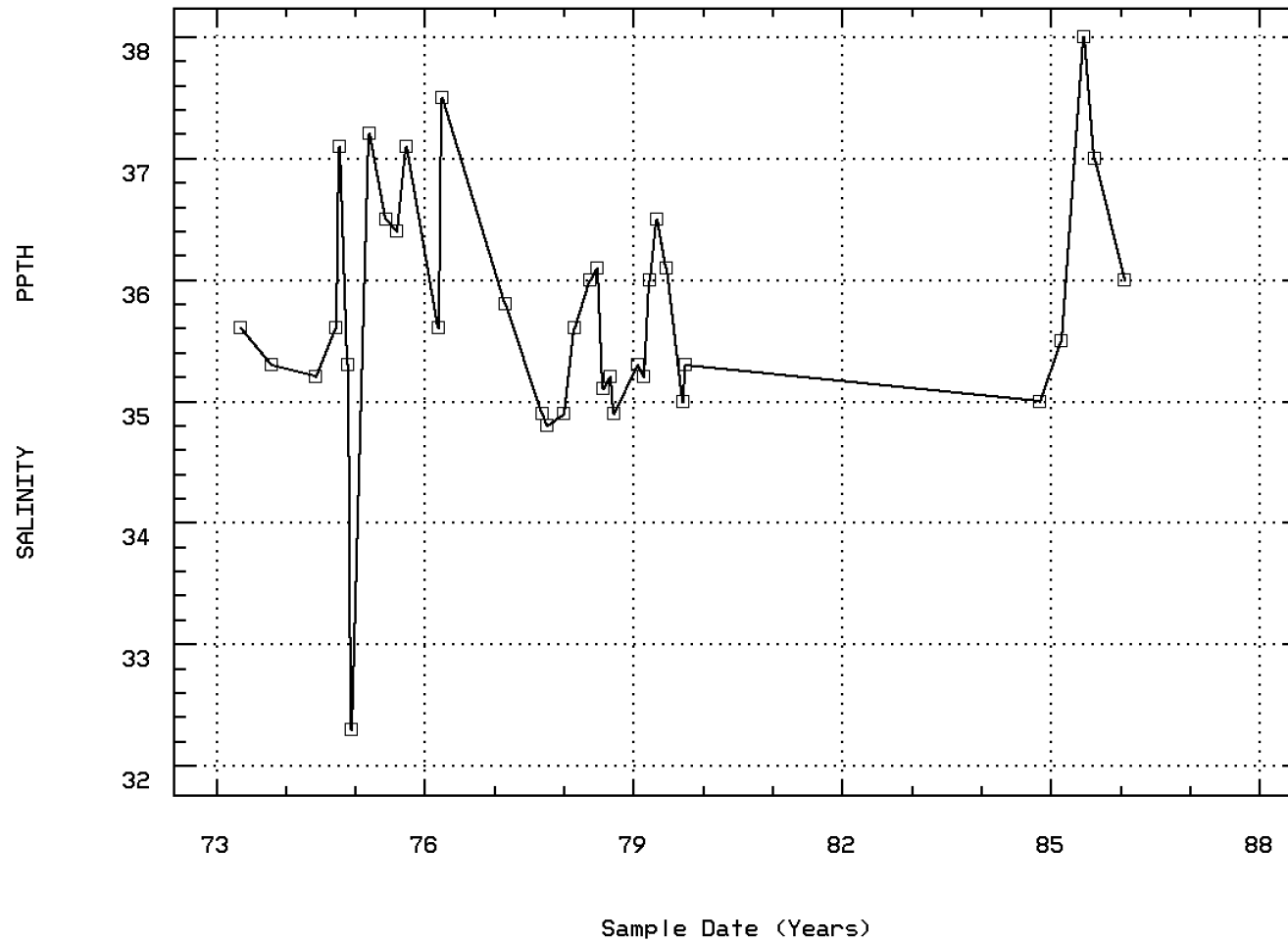
TRANSPARENCY, SECCHI DISC (METERS)



RENDEVOUS BAY

Station: VIIS0057 Parameter Code: 00480

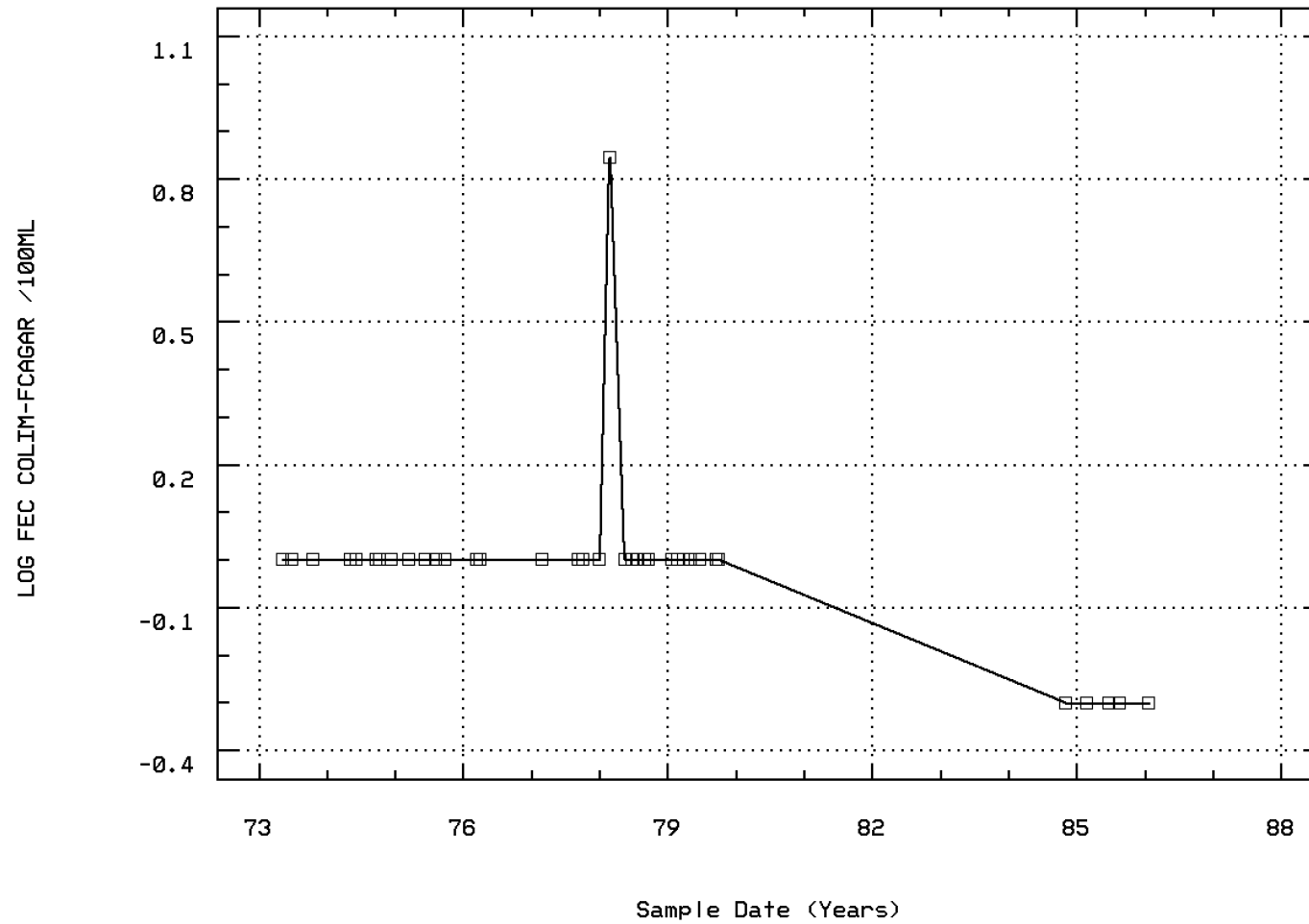
SALINITY - PARTS PER THOUSAND



RENDEVOUS BAY

Station: VIIS0057 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



RENDEVOUS BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	14	0.4	0.357	0.8	0.1	0.035	0.187	0.15	0.2	0.5	0.65
00400 PH (STANDARD UNITS)	05/09/73-10/02/79	13	8.2	8.208	8.35	8.1	0.007	0.086	8.1	8.125	8.3	8.33
00400 CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	13	8.2	8.2	8.35	8.1	0.008	0.087	8.1	8.125	8.3	8.33
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	13	0.006	0.006	0.008	0.004	0.	0.001	0.005	0.005	0.008	0.008

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	6	0.3	0.933	3.1	0.3	1.287	1.134	**	**	**	**
00400 PH (STANDARD UNITS)	05/09/73-10/02/79	6	8.175	8.192	8.4	8.	0.017	0.132	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	6	8.174	8.175	8.4	8.	0.018	0.133	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	6	0.007	0.007	0.01	0.004	0.	0.002	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/09/73-10/02/79	12	0.3	0.358	0.6	0.1	0.021	0.144	0.13	0.3	0.5	0.57
00400 PH (STANDARD UNITS)	05/09/73-10/02/79	12	8.2	8.204	8.3	8.	0.009	0.094	8.03	8.15	8.3	8.3
00400 CONVERTED PH (STANDARD UNITS)	05/09/73-10/02/79	12	8.2	8.194	8.3	8.	0.009	0.095	8.03	8.15	8.3	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/73-10/02/79	12	0.006	0.006	0.01	0.005	0.	0.001	0.005	0.005	0.007	0.009

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0058

NPS Station ID: VIIS0058
 Location: TRUNK BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.353615/ -64.770559

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-72 /STJ-22 /STJ44(VIHD)
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0058

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.3	28.367	28.9	27.9	0.253	0.503	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.2	6.225	6.5	6.	0.049	0.222	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	34.	34.	35.1	32.9	2.42	1.556	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	11.	11.	18.	4.	98.	9.899	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.065	0.065	0.12	0.01	0.006	0.078	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.016	0.016	0.022	0.01	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.25	3.25	3.3	3.2	0.005	0.071	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/09/79-11/09/79	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/09/79-11/09/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/09/79-11/09/79	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.5	2.5	9.	0.	19.	4.359	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.	0.239	0.954	0.	0.228	0.477	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.732								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
34267 BENZO(C)PYRENE,TOTAL UG/L	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39076 BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39301 P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39306 O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39311 P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39316 O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39321 P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39328 O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39393 ENDNRN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39491 PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VIIS0058

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39495 PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39499 PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39503 PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39507 PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39511 PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39514 PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39701 HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/09/79-11/09/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/09/79-11/09/79	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0058

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0059

NPS Station ID: VIIS0059
 Location: TRUNK BAY-100 FT OFF PARK BEACH
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin: DEPTH 4.5/6 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.354170/ -64.770838

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 44A /STJ44A
 Within Park Boundary: Yes

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-03/18/86	53	27.2	27.06	29.5	23.8	1.86	1.364	25.	26.	28.1	28.62
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	47	0.3	0.457	2.3	0.1	0.138	0.372	0.2	0.3	0.6	0.92
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	51	3.	3.053	6.	0.	7.943	2.818	0.	0.	6.	6.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	23	6.4	6.378	6.8	6.	0.041	0.202	6.1	6.2	6.5	6.72
00300	OXYGEN, DISSOLVED MG/L	01/23/69-03/18/86	30	6.35	6.41	7.2	5.9	0.074	0.272	6.1	6.2	6.6	6.7
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	44	8.2	8.213	8.55	8.	0.011	0.107	8.1	8.15	8.25	8.375
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	44	8.2	8.201	8.55	8.	0.012	0.108	8.1	8.15	8.25	8.375
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	44	0.006	0.006	0.01	0.003	0.	0.001	0.004	0.006	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-03/18/86	51	35.7	35.843	38.	33.7	0.642	0.801	35.02	35.4	36.2	36.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/18/86-03/18/86	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/18/86-03/18/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-03/18/86	53	0.	0.896	40.	0.	30.1	5.486	0.	0.	0.	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-03/18/86	53	0.	-0.004	1.602	-0.301	0.063	0.252	0.	0.	0.	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.991								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-03/26/69	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-03/26/69	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	10	0.25	0.263	0.6	0.02	0.038	0.196	0.023	0.058	0.425	0.59

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

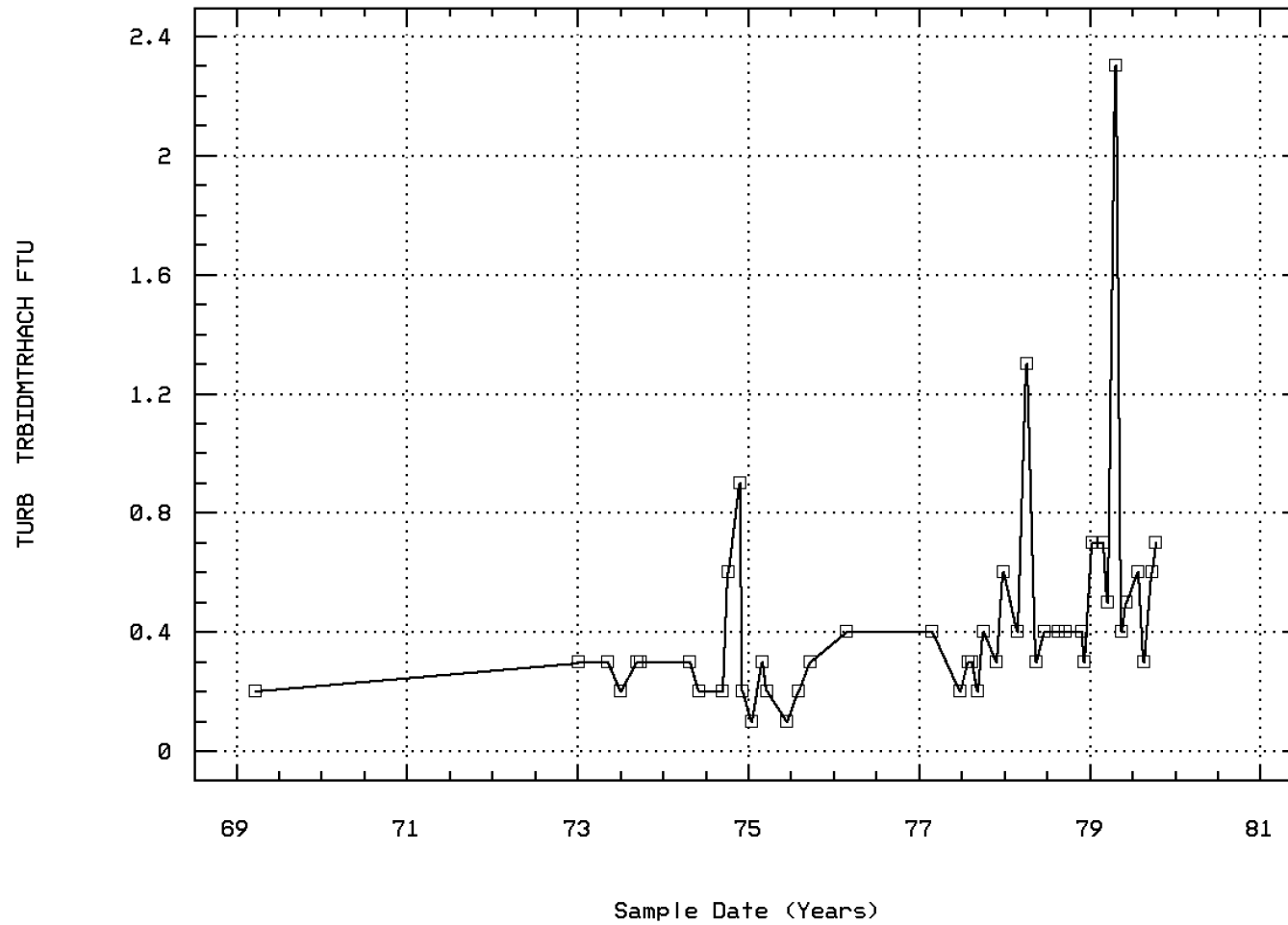
EPA Water Quality Criteria Analysis for Station: VIIS0059

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	47	0	0.00	22	0	0.00	10	0	0.00	15	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	12	0	0.00	4	0	0.00	7	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	30	0	0.00	12	0	0.00	8	0	0.00	10	0	0.00		
00400	PH	Other-Hi Lim.	9.	44	0	0.00	21	0	0.00	9	0	0.00	14	0	0.00		
		Other-Lo Lim.	6.5	44	0	0.00	21	0	0.00	9	0	0.00	14	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	53	0	0.00	24	0	0.00	12	0	0.00	17	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0059 Parameter Code: 00076

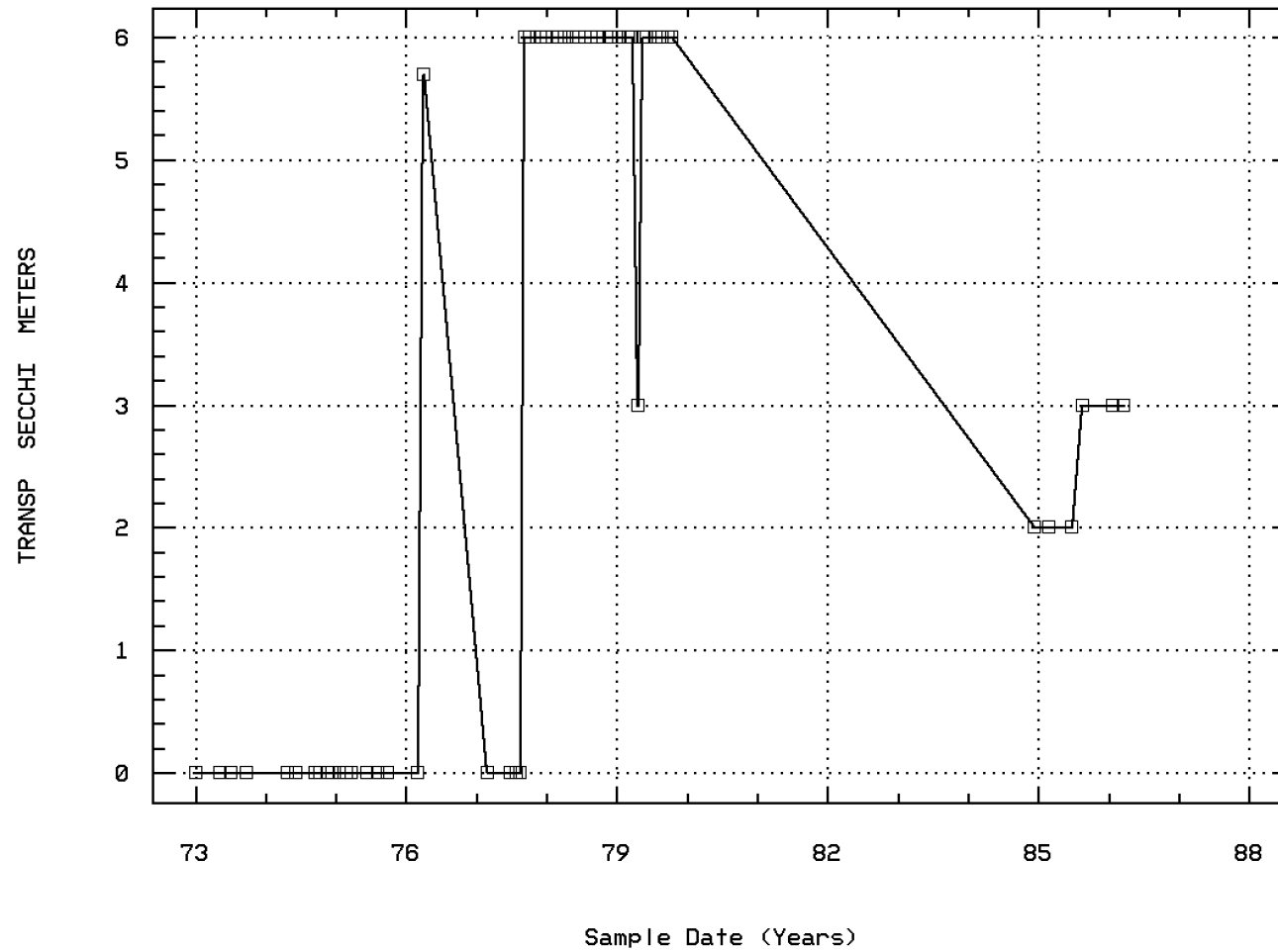
TURBIDITY, HACH TURBIDIMETER (FORMAZIN T



TRUNK BAY-100 FT OFF PARK BEACH

Station: VIIS0059 Parameter Code: 00078

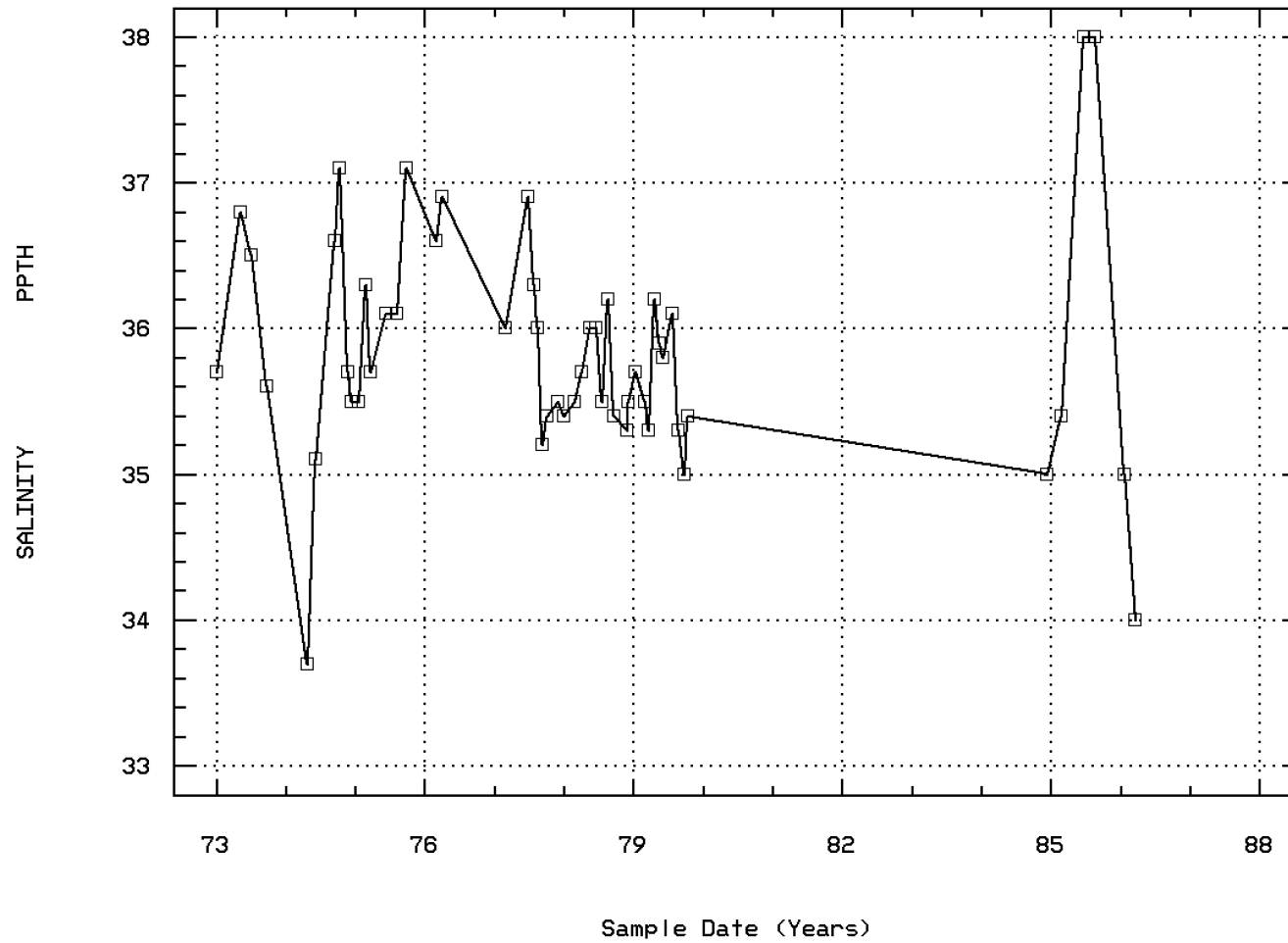
TRANSPARENCY, SECCHI DISC (METERS)



TRUNK BAY-100 FT OFF PARK BEACH

Station: VIIS0059 Parameter Code: 00480

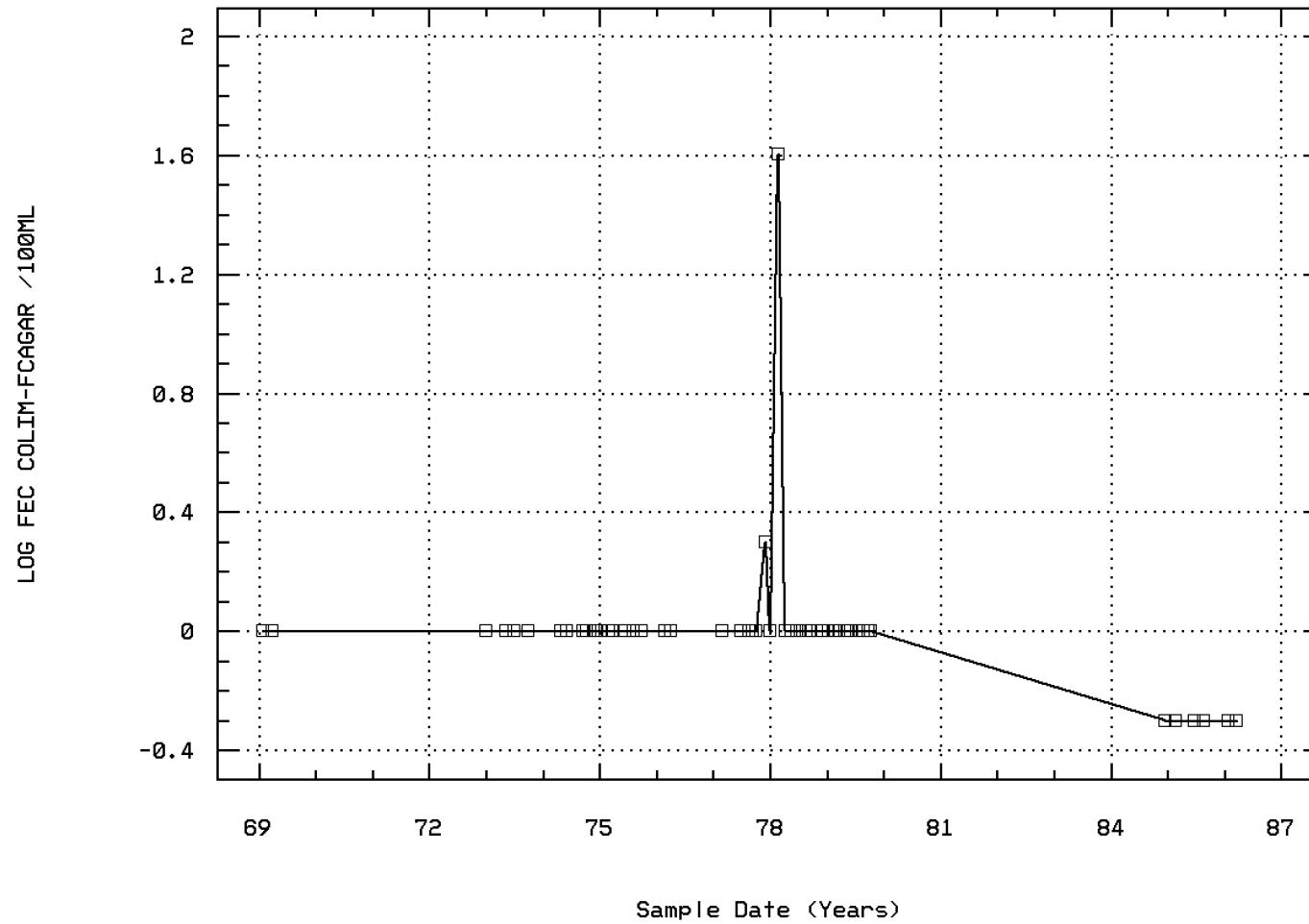
SALINITY - PARTS PER THOUSAND



TRUNK BAY-100 FT OFF PARK BEACH

Station: VIIS0059 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



TRUNK BAY-100 FT OFF PARK BEACH

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0059

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	25	28.1	27.884	29.5	25.	1.073	1.036	26.28	27.1	28.5	28.94
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	22	0.3	0.382	0.9	0.2	0.035	0.187	0.2	0.275	0.45	0.67
00078p	TRANSPARENCY, SECCHI DISC (METERS)	24	4.5	3.208	6.	0.	8.607	2.934	0.	0.	6.	6.
00300p	OXYGEN, DISSOLVED MG/L	12	6.3	6.342	6.7	5.9	0.063	0.25	5.93	6.2	6.5	6.7
00400	PH (STANDARD UNITS)	21	8.2	8.187	8.35	8.	0.007	0.083	8.1	8.125	8.24	8.33
00400	CONVERTED PH (STANDARD UNITS)	21	8.2	8.18	8.35	8.	0.007	0.083	8.1	8.125	8.24	8.33
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	21	0.006	0.007	0.01	0.004	0.	0.001	0.005	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	24	35.55	35.888	38.	35.	0.558	0.747	35.1	35.4	36.275	37.1
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	24	0.	0.146	2.	0.	0.184	0.429	0.	0.	0.	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	24	0.	-0.025	0.301	-0.301	0.015	0.123	0.	0.	0.	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				0.944								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0059

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12	25.65	25.683	27.9	23.8	1.069	1.034	24.16	25.	26.275	27.48
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10	0.4	0.49	1.	0.1	0.068	0.26	0.12	0.3	0.7	0.97
00078p	TRANSPARENCY, SECCHI DISC (METERS)	11	2.	2.636	6.	0.	8.055	2.838	0.	0.	6.	6.
00300p	OXYGEN, DISSOLVED MG/L	8	6.55	6.5	6.8	6.2	0.046	0.214	**	**	**	**
00400	PH (STANDARD UNITS)	9	8.25	8.278	8.4	8.15	0.012	0.109	8.15	8.175	8.4	8.4
00400	CONVERTED PH (STANDARD UNITS)	9	8.25	8.266	8.4	8.15	0.012	0.11	8.15	8.175	8.4	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.006	0.005	0.007	0.004	0.	0.001	0.004	0.004	0.007	0.007
00480p	SALINITY - PARTS PER THOUSAND	11	35.5	35.691	36.6	35.	0.205	0.453	35.08	35.4	36.	36.54
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12	0.	3.417	40.	0.	132.765	11.522	0.	0.	0.375	28.15
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12	0.	0.083	1.602	-0.301	0.242	0.492	0.	0.	-0.226	1.031
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.212								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

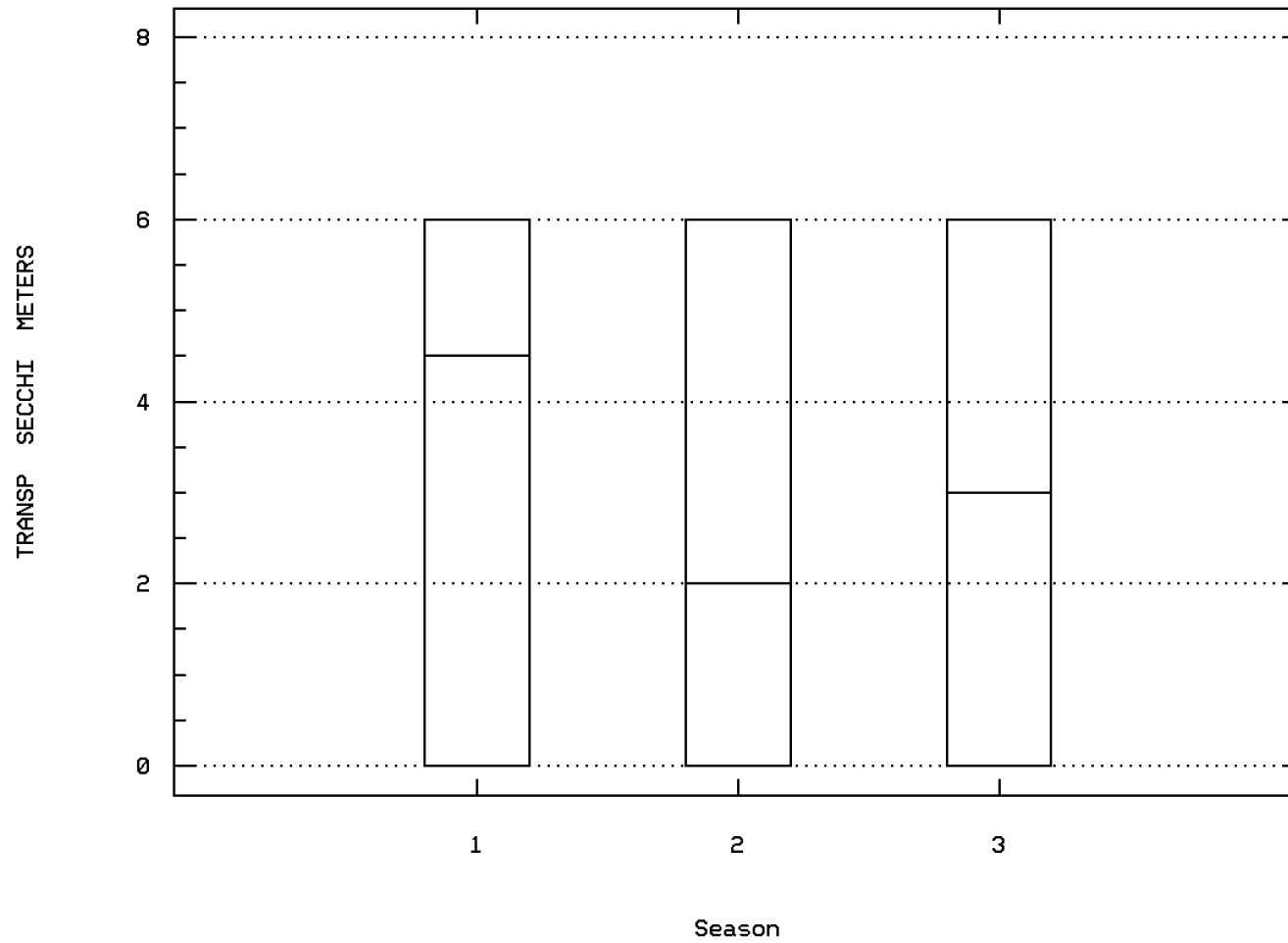
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0059

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	26.95	26.806	28.	24.2	1.23	1.109	24.83	26.05	27.875	28.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	15	0.3	0.547	2.3	0.1	0.34	0.583	0.16	0.2	0.5	1.7
00078p	TRANSPARENCY, SECCHI DISC (METERS)	16	3.	3.106	6.	0.	7.741	2.782	0.	0.	6.	6.
00300p	OXYGEN, DISSOLVED MG/L	10	6.35	6.42	7.2	6.1	0.113	0.336	6.1	6.175	6.55	7.15
00400	PH (STANDARD UNITS)	14	8.2	8.211	8.55	8.05	0.016	0.126	8.075	8.1	8.262	8.425
00400	CONVERTED PH (STANDARD UNITS)	14	8.2	8.196	8.55	8.05	0.016	0.127	8.075	8.1	8.262	8.425
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	14	0.006	0.006	0.009	0.003	0.	0.002	0.004	0.005	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	16	35.95	35.881	38.	33.7	1.127	1.062	33.91	35.4	36.65	37.23
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	17	0.	0.176	1.	0.	0.123	0.351	0.	0.	0.25	1.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	17	0.	-0.035	0.	-0.301	0.01	0.1	0.	0.	-0.151	0.
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				0.922								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0059 Parameter Code: 00078

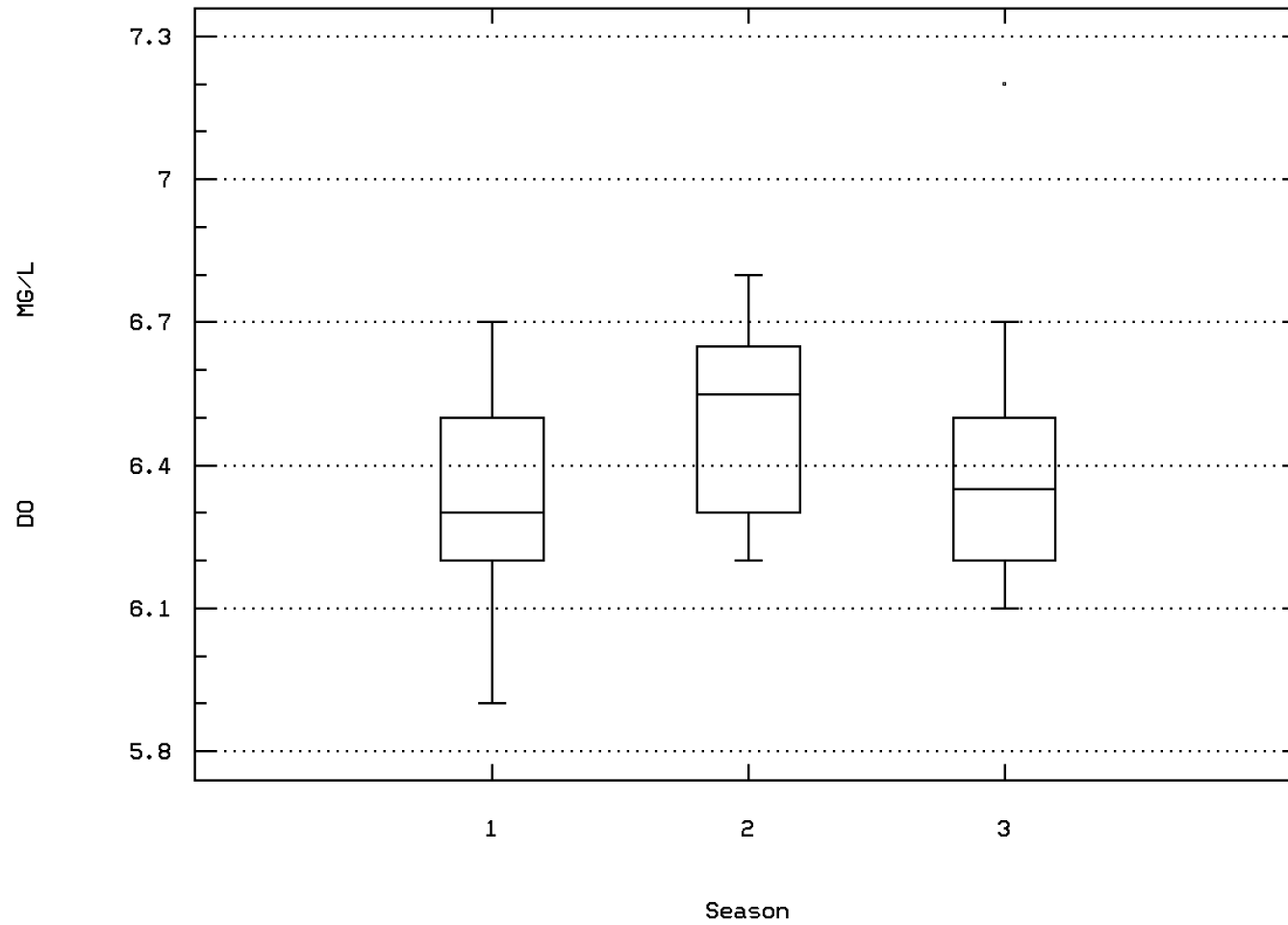
TRANSPARENCY, SECCHI DISC (METERS)



TRUNK BAY-100 FT OFF PARK BEACH

Station: VIIS0059 Parameter Code: 00300

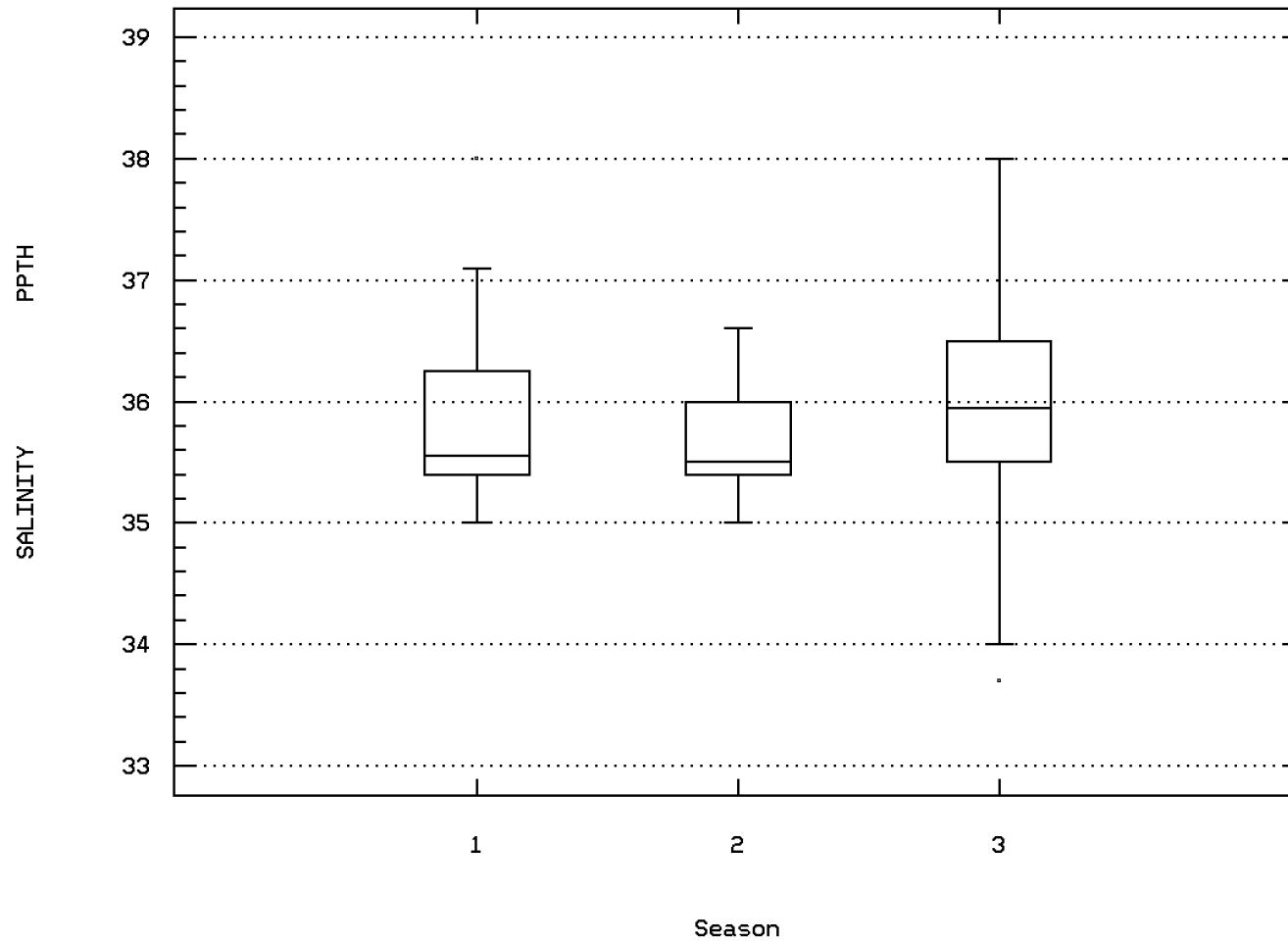
OXYGEN, DISSOLVED



TRUNK BAY-100 FT OFF PARK BEACH

Station: VIIS0059 Parameter Code: 00480

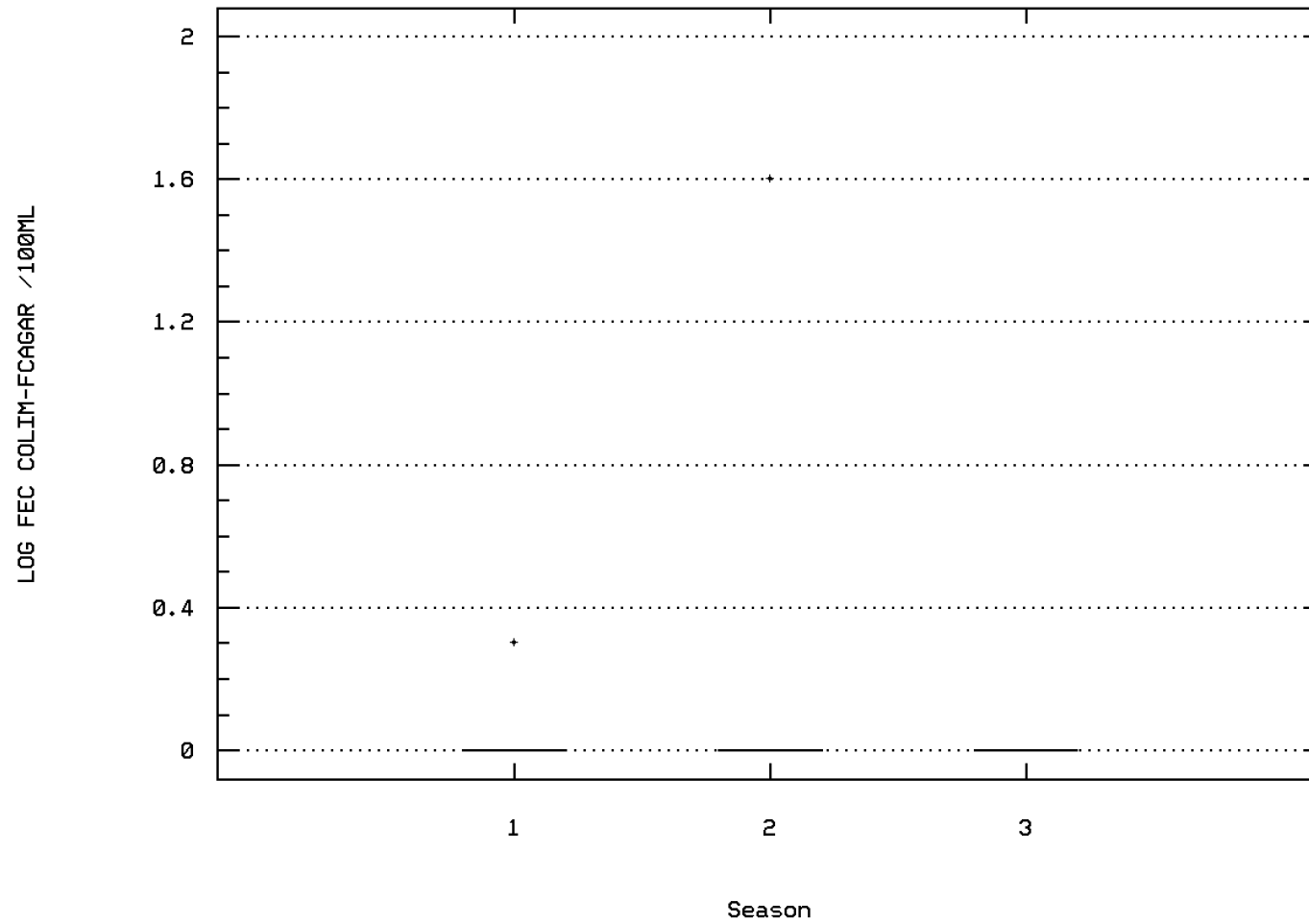
SALINITY - PARTS PER THOUSAND



TRUNK BAY-100 FT OFF PARK BEACH

Station: VIIS0059 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



TRUNK BAY-100 FT OFF PARK BEACH

Station Inventory for Station: VIIS0060

NPS Station ID: VIIS0060
 Location: TRUNK BAY-100 FT OFF PARK BEACH DEPTH 4.5/6 M
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.354170/ -64.770838

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-44A
 Within Park Boundary: Yes

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/79-09/30/80	12	27.9	27.458	29.5	25.7	1.337	1.156	25.73	26.425	28.25	29.14
00032 CLOUD COVER (PERCENT)	10/11/79-09/30/80	11	35.	28.727	60.	10.	270.418	16.444	10.4	12.	40.	56.
00035 WIND VELOCITY (MILES PER HOUR)	10/11/79-09/30/80	12	9.5	9.917	13.	7.	4.992	2.234	7.3	8.	12.5	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	10/11/79-09/30/80	12	4.65	4.25	5.3	3.	1.275	1.129	3.	3.	5.3	5.3
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/79-09/30/80	12	6.5	6.65	8.1	6.2	0.254	0.504	6.23	6.4	6.7	7.77
00400 PH (STANDARD UNITS)	10/11/79-09/30/80	12	8.2	8.154	8.25	8.	0.007	0.081	8.	8.113	8.2	8.235
00400 CONVERTED PH (STANDARD UNITS)	10/11/79-09/30/80	12	8.2	8.147	8.25	8.	0.007	0.081	8.	8.112	8.2	8.235
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/79-09/30/80	12	0.006	0.007	0.01	0.006	0.	0.001	0.006	0.006	0.008	0.01
00480 SALINITY - PARTS PER THOUSAND	10/11/79-09/30/80	12	35.6	35.625	36.9	34.4	0.72	0.849	34.43	34.875	36.5	36.78
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	10/11/79-09/30/80	12 ##	0.5	0.625	1.	0.5	0.051	0.226	0.5	0.5	0.875	1.
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	10/11/79-09/30/80	12 ##	-0.301	-0.226	0.	-0.301	0.019	0.136	-0.301	-0.301	-0.075	0.
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.595								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/11/79-09/30/80	12	0.7	0.708	1.4	0.3	0.115	0.34	0.33	0.4	0.875	1.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0060

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	12	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	12	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	12	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0061

NPS Station ID: VIIS0061 Location: HAWKSNEST GIBNEY BEACH Station Type: /TYP/A/AMBNT/OCEAN RMI-Indexes: RMI-Miles: HUC: 21020001 Major Basin: VIRGIN ISLANDS Minor Basin: VIRGIN ISLANDS RF1 Index: 21020001 RF3 Index: Description: DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.	LAT/LON: 18.348448/ -64.778587 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.000 RF3 Mile Point: 0.00	Agency: 11NPSWRD FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN STORET Station ID(s): VIIS_HAGB04 Within Park Boundary: Yes Aquifer: Water Body Id: ECO Region: Distance from RF1: 0.00 Distance from RF3: 0.00
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Date Created: 12/17/94

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: VIIS0061

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.55	27.367	29.1	25.1	1.377	1.174	25.77	26.1	28.425	28.8
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	37.5	43.591	100.	5.	702.061	26.496	10.	23.75	60.	83.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	5.	5.242	15.	0.	8.586	2.93	1.35	4.5	5.375	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	47	79.7	76.964	93.	26.8	114.992	10.723	64.82	72.9	83.3	85.5
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	4.2	4.513	13.	0.3	3.269	1.808	3.	3.5	5.165	6.04
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54300.	46194.733	57700.	51.	383055979.521	19571.816	55.	52975.	54800.	55300.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.3	6.358	7.7	5.7	0.192	0.438	5.9	6.	6.6	7.
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	64	7.855	7.78	8.97	7.24	0.115	0.339	7.38	7.422	8.068	8.175
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	64	7.855	7.666	8.97	7.24	0.128	0.357	7.38	7.422	8.068	8.175
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	64	0.014	0.022	0.058	0.001	0.	0.015	0.007	0.009	0.038	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.1	35.77	37.2	33.2	0.765	0.875	34.44	35.25	36.3	36.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.009	0.008	0.015	0.003	0.	0.004	0.003	0.005	0.012	0.014
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.003	0.	0.	0.001	0.	0.	0.001	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.005	0.	0.	0.001	0.	0.	0.002	0.004
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.006	0.	0.	0.002	0.001	0.001	0.003	0.005
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.01	0.002	0.	0.002	0.002	0.004	0.007	0.009
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.3	0.331	1.1	0.09	0.042	0.204	0.1	0.2	0.425	0.6
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	4.	4.515	13.	0.3	3.032	1.741	3.	3.5	5.2	6.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0061

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			
	Other-Lo Lim.	6.5	64	0	0.00	29	0	0.00	16	0	0.00	19	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	28	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.6	27.256	28.5	25.8	1.29	1.136	25.8	25.85	28.25	28.5
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	53.889	95.	10.	1067.361	32.67	10.	25.	87.5	95.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	4.444	5.	0.	2.778	1.667	0.	5.	5.	5.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	3.25	3.25	3.5	3.	0.071	0.267	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54450.	54400.	54700.	54000.	100000.	316.228	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	6.078	6.5	5.7	0.047	0.217	5.7	5.95	6.15	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.87	7.894	8.3	7.4	0.063	0.251	7.4	7.795	8.08	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.87	7.826	8.3	7.4	0.068	0.261	7.4	7.795	8.08	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.013	0.015	0.04	0.005	0.	0.01	0.005	0.008	0.016	0.04
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	36.	35.46	36.2	33.2	1.638	1.28	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.214	0.6	0.1	0.031	0.177	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	3.222	3.5	3.	0.069	0.264	3.	3.	3.5	3.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	26.9	26.743	28.8	25.1	1.696	1.302	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	20.	34.286	80.	20.	628.571	25.071	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	6.429	10.	5.	5.952	2.44	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	4	66.65	61.05	84.1	26.8	720.63	26.845	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	3.	3.	4.	1.5	0.583	0.764	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52600.	53442.857	57700.	52100.	3876190.476	1968.804	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.5	6.414	6.8	6.	0.085	0.291	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	7	7.39	7.497	7.87	7.24	0.053	0.23	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	7	7.39	7.451	7.87	7.24	0.056	0.236	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	7	0.041	0.035	0.058	0.013	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.7	34.771	35.5	34.3	0.172	0.415	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.283	0.7	0.1	0.058	0.24	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	3.	3.214	4.	3.	0.155	0.393	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.2	27.655	29.1	25.7	1.623	1.274	25.72	26.4	28.7	29.1
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	51.818	95.	25.	501.364	22.391	26.	30.	70.	92.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	6.818	15.	5.	11.364	3.371	5.	5.	10.	14.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	11	76.5	75.773	84.9	61.5	58.522	7.65	62.22	72.	82.	84.72
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	4.	5.364	13.	3.5	7.992	2.827	3.55	3.75	5.	12.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54600.	54481.818	55400.	53300.	339636.364	582.783	53440.	54200.	54700.	55380.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.6	6.582	7.2	6.1	0.108	0.328	6.12	6.3	6.7	7.16
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.39	7.397	7.44	7.37	0.001	0.025	7.37	7.37	7.42	7.438
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.39	7.397	7.44	7.37	0.001	0.025	7.37	7.37	7.42	7.438
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.041	0.04	0.043	0.036	0.	0.002	0.036	0.038	0.043	0.043
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.1	36.055	36.7	35.2	0.173	0.416	35.3	35.8	36.2	36.68
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.5	0.47	0.7	0.2	0.036	0.189	0.2	0.275	0.625	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	4.	5.373	13.	3.5	7.96	2.821	3.56	3.8	5.	12.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0061

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	27.45	27.41	28.9	26.	1.388	1.178	26.	26.075	28.65	28.89
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	55.	51.	90.	5.	732.222	27.06	7.	28.75	76.25	89.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	4.8	10.	1.5	7.122	2.669	1.6	2.5	6.75	9.75
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	10	72.15	72.3	80.	63.7	18.593	4.312	64.25	70.175	74.85	79.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	5.	4.657	5.5	3.	0.64	0.8	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54600.	54244.444	56000.	51600.	2035277.778	1426.632	51600.	53050.	55400.	56000.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.5	6.65	7.7	5.8	0.621	0.788	5.8	5.95	7.525	7.69
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	10	7.505	7.568	7.91	7.39	0.035	0.187	7.391	7.422	7.765	7.9
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	10	7.504	7.536	7.91	7.39	0.036	0.19	7.391	7.422	7.765	7.9
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	10	0.031	0.029	0.041	0.012	0.	0.01	0.013	0.017	0.038	0.041
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.889	37.2	33.9	1.091	1.045	33.9	35.05	36.7	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.5	0.5	1.1	0.2	0.07	0.265	0.2	0.3	0.6	1.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	4.55	4.46	6.	3.	0.916	0.957	3.05	3.5	5.125	5.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	27.5	27.436	29.1	25.8	1.299	1.14	25.82	26.5	28.3	29.04
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	35.	39.909	65.	25.	201.091	14.181	25.	30.	55.	63.8
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	4.909	12.5	0.5	10.891	3.3	0.6	3.	6.5	11.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	10	83.7	82.57	87.7	74.5	15.253	3.906	74.91	80.025	85.275	87.48
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	4.35	4.308	5.8	3.25	0.566	0.752	3.258	3.833	4.625	5.72
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54700.	54463.636	55200.	53400.	374545.455	612.001	53420.	53800.	54800.	55160.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.4	6.382	7.	5.8	0.12	0.346	5.84	6.1	6.6	6.96
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	10	7.955	7.965	8.19	7.79	0.019	0.14	7.791	7.845	8.078	8.181
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	10	7.95	7.945	8.19	7.79	0.02	0.141	7.791	7.845	8.078	8.181
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	10	0.011	0.011	0.016	0.006	0.	0.004	0.007	0.008	0.014	0.016
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.2	36.073	36.6	35.3	0.206	0.454	35.32	35.5	36.4	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	8	0.3	0.288	0.4	0.1	0.01	0.099	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	4.35	4.31	5.8	3.3	0.561	0.749	3.3	3.825	4.625	5.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.2	27.433	28.8	25.6	1.638	1.28	25.6	26.2	28.7	28.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	35.	39.778	100.	5.	902.944	30.049	5.	16.5	60.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	4.222	10.	0.	11.444	3.383	0.	1.	6.5	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	3	92.4	87.267	93.	76.4	88.653	9.416	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	5.49	5.211	6.4	3.	1.291	1.136	3.	4.42	5.945	6.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54800.	54766.667	55800.	53800.	417500.	646.142	53800.	54150.	55250.	55800.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.	6.156	6.6	5.9	0.085	0.292	5.9	5.9	6.45	6.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.91	7.98	8.26	7.87	0.02	0.14	7.87	7.87	8.095	8.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.91	7.962	8.26	7.87	0.02	0.141	7.87	7.87	8.095	8.26
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.012	0.011	0.013	0.005	0.	0.003	0.005	0.008	0.013	0.013
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.3	36.267	37.1	35.5	0.258	0.507	35.5	35.8	36.65	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.243	0.4	0.09	0.011	0.103	0.09	0.2	0.35	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	5.5	5.367	6.4	3.7	0.745	0.863	3.7	4.75	5.95	6.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.8	27.411	28.8	25.6	1.294	1.137	25.6	26.2	28.3	28.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	30.556	100.	5.	977.778	31.269	5.	7.5	50.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.111	10.	1.	8.299	2.881	1.	2.5	7.5	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	9	80.4	81.011	85.5	79.2	4.291	2.071	79.2	79.55	82.05	85.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	5.15	5.189	9.09	0.3	5.892	2.427	0.3	4.245	6.67	9.09
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55.	53.778	56.	51.	3.444	1.856	51.	52.	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	6.167	6.5	6.	0.028	0.166	6.	6.05	6.3	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.145	8.235	8.97	8.02	0.093	0.305	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.144	8.174	8.97	8.02	0.097	0.311	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.007	0.01	0.001	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.389	36.6	33.6	1.341	1.158	33.6	34.25	36.3	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.256	0.6	0.1	0.02	0.142	0.1	0.2	0.3	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	5.2	5.211	9.1	0.3	5.924	2.434	0.3	4.25	6.7	9.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0061

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.313	29.1	26.7	0.39	0.625	27.2	28.	28.8	29.06
00032	CLOUD COVER (PERCENT)	31	35.	40.	100.	5.	615.	24.799	6.	25.	55.	79.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	4.516	12.5	0.	7.758	2.785	1.	2.5	5.	7.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	4.5	4.751	9.09	3.	2.294	1.515	3.	3.625	5.49	7.58
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54350.	47027.167	55800.	51.	351973083.799	18760.946	55.1	53025.	54725.	55200.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.113	7.2	5.7	0.087	0.295	5.8	5.9	6.3	6.48
00406	PH, FIELD, STANDARD UNITS SU	29	7.87	7.76	8.19	7.24	0.09	0.299	7.37	7.39	8.02	8.12
00406	CONVERTED PH, FIELD, STANDARD UNITS	29	7.87	7.659	8.19	7.24	0.1	0.316	7.37	7.39	8.02	8.12
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	29	0.013	0.022	0.058	0.006	0.	0.015	0.008	0.01	0.041	0.043
00480	SALINITY - PARTS PER THOUSAND	30	36.15	35.82	37.1	33.6	0.675	0.821	34.33	35.625	36.3	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	28	0.3	0.343	0.7	0.1	0.034	0.185	0.1	0.2	0.5	0.61
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	4.5	4.773	9.1	3.	2.283	1.511	3.	3.725	5.5	7.48

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0061

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.8	25.806	26.5	25.1	0.093	0.304	25.38	25.625	26.	26.22
00032	CLOUD COVER (PERCENT)	16	32.5	41.25	95.	5.	631.667	25.133	15.5	20.	60.	84.5
00035	WIND VELOCITY (MILES PER HOUR)	16	5.	5.656	10.	0.	6.891	2.625	2.1	5.	6.875	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	3.58	4.269	13.	0.3	8.529	2.92	0.9	3.	5.333	9.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53800.	46307.714	55200.	53.	384544938.527	19609.817	54.	53050.	54650.	55050.
00300	OXYGEN, DISSOLVED MG/L	16	6.55	6.581	7.7	6.	0.166	0.407	6.07	6.3	6.775	7.21
00406	PH, FIELD, STANDARD UNITS SU	16	7.835	7.763	8.24	7.4	0.085	0.291	7.4	7.428	7.983	8.198
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.834	7.676	8.24	7.4	0.093	0.305	7.4	7.427	7.982	8.198
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.015	0.021	0.04	0.006	0.	0.013	0.006	0.011	0.037	0.04
00480	SALINITY - PARTS PER THOUSAND	15	35.5	35.54	36.6	33.2	0.743	0.862	34.1	35.1	36.2	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.35	0.371	1.1	0.09	0.075	0.274	0.095	0.175	0.525	0.85
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	3.5	4.269	13.	0.3	7.072	2.659	2.19	3.075	4.95	7.96

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0061

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.1	27.137	28.4	25.9	0.484	0.695	26.1	26.6	27.6	28.2
00032	CLOUD COVER (PERCENT)	19	45.	51.421	100.	8.	892.035	29.867	10.	25.	80.	95.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	6.079	15.	0.5	10.535	3.246	3.	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	4.525	4.319	6.1	3.	1.05	1.025	3.	3.188	5.038	5.821
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54650.	44535.063	57700.	51.	488597332.063	22104.238	53.8	52300.	55375.	56510.
00300	OXYGEN, DISSOLVED MG/L	19	6.5	6.568	7.6	6.	0.216	0.464	6.1	6.1	6.8	7.5
00406	PH, FIELD, STANDARD UNITS SU	19	7.83	7.826	8.97	7.37	0.188	0.434	7.38	7.43	8.1	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	19	7.83	7.67	8.97	7.37	0.214	0.462	7.38	7.43	8.1	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	19	0.015	0.021	0.043	0.001	0.	0.015	0.005	0.008	0.037	0.042
00480	SALINITY - PARTS PER THOUSAND	16	36.2	35.894	37.2	33.6	0.989	0.994	34.16	35.05	36.6	36.92
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.275	0.7	0.1	0.026	0.161	0.1	0.2	0.375	0.56
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	4.5	4.316	6.1	3.	1.001	1.001	3.	3.3	5.	5.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0062

NPS Station ID: VIIS0062
 Location: HAWKSNEST BAY
 Station Type: /TYP/A/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.350281/ -64.778892

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-72A
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0062

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.6	28.433	28.8	27.9	0.223	0.473	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.45	6.4	6.5	6.2	0.02	0.141	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.95	33.95	34.8	33.1	1.445	1.202	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	19.	19.	35.	3.	512.	22.627	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.065	0.065	0.12	0.01	0.006	0.078	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.015	0.015	0.019	0.01	0.	0.006	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.45	2.45	2.8	2.1	0.245	0.495	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	1.5	3.5	11.	0.	27.	5.196	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.239	0.38	1.041	0.	0.245	0.495	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.397								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0062

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0063

NPS Station ID: VIIS0063
 Location: HAWKSNESST BAY 100 FT OFF PARK BEACH 4.5/5 M
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.349448/ -64.778892

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-44B
 Within Park Boundary: Yes

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/79-09/30/80	11	27.8	27.382	28.6	25.8	0.976	0.988	25.88	26.5	28.2	28.54
00032 CLOUD COVER (PERCENT)	11/17/79-09/30/80	11	35.	34.182	100.	10.	732.964	27.073	10.4	12.	40.	92.
00035 WIND VELOCITY (MILES PER HOUR)	11/17/79-09/30/80	11	10.	10.182	13.	8.	4.564	2.136	8.	8.	13.	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/17/79-09/30/80	11	4.8	4.618	4.8	4.	0.064	0.252	4.1	4.5	4.8	4.8
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/17/79-09/30/80	11	6.6	6.727	8.	6.3	0.228	0.478	6.34	6.5	6.7	7.84
00400 PH (STANDARD UNITS)	11/17/79-09/30/80	10	8.175	8.135	8.3	7.9	0.015	0.123	7.91	8.038	8.212	8.295
00400 CONVERTED PH (STANDARD UNITS)	11/17/79-09/30/80	10	8.174	8.119	8.3	7.9	0.015	0.124	7.91	8.038	8.212	8.295
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/17/79-09/30/80	10	0.007	0.008	0.013	0.005	0.	0.002	0.005	0.006	0.009	0.012
00480 SALINITY - PARTS PER THOUSAND	11/17/79-09/30/80	11	35.9	35.727	36.9	34.7	0.558	0.747	34.72	35.1	36.3	36.88
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/17/79-09/30/80	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/17/79-09/30/80	11 ##	-0.301	-0.301	-0.301	-0.301	0.	0.	-0.301	-0.301	-0.301	-0.301
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.5								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/17/79-09/30/80	11	0.7	0.982	4.	0.3	1.062	1.03	0.32	0.5	1.	3.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0063

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0064

NPS Station ID: VIIS0064
 Location: HAWKSNEST BAY
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN - 100 FT OFF
 Minor Basin: PARK BEACH DEPTH 4.5/5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.349448/ -64.778892

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 44B /STJ44B
 Within Park Boundary: Yes

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	50	27.3	27.222	29.7	23.9	2.	1.414	25.2	26.	28.5	28.97
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/11/79	44	0.4	0.525	2.1	0.1	0.134	0.367	0.2	0.3	0.6	1.05
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	49	5.	2.776	5.	0.	5.928	2.435	0.	0.	5.	5.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	23	6.4	6.439	8.	5.9	0.182	0.426	6.04	6.2	6.5	6.96
00300	OXYGEN, DISSOLVED MG/L	01/03/73-03/18/86	26	6.5	6.496	6.9	6.1	0.052	0.229	6.1	6.375	6.7	6.83
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	42	8.2	8.193	8.35	8.	0.006	0.076	8.1	8.15	8.243	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	42	8.2	8.186	8.35	8.	0.006	0.076	8.1	8.15	8.242	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	42	0.006	0.007	0.01	0.004	0.	0.001	0.005	0.006	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-03/18/86	48	35.7	35.748	38.	34.5	0.517	0.719	34.89	35.2	36.1	36.82
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	48	0.	6.844	200.	0.	890.491	29.841	0.	0.	0.375	13.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	48	0.	0.166	2.301	-0.301	0.291	0.54	0.	0.	-0.226	1.114
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.466								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	9	0.3	0.369	1.4	0.03	0.178	0.421	0.03	0.045	0.45	1.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

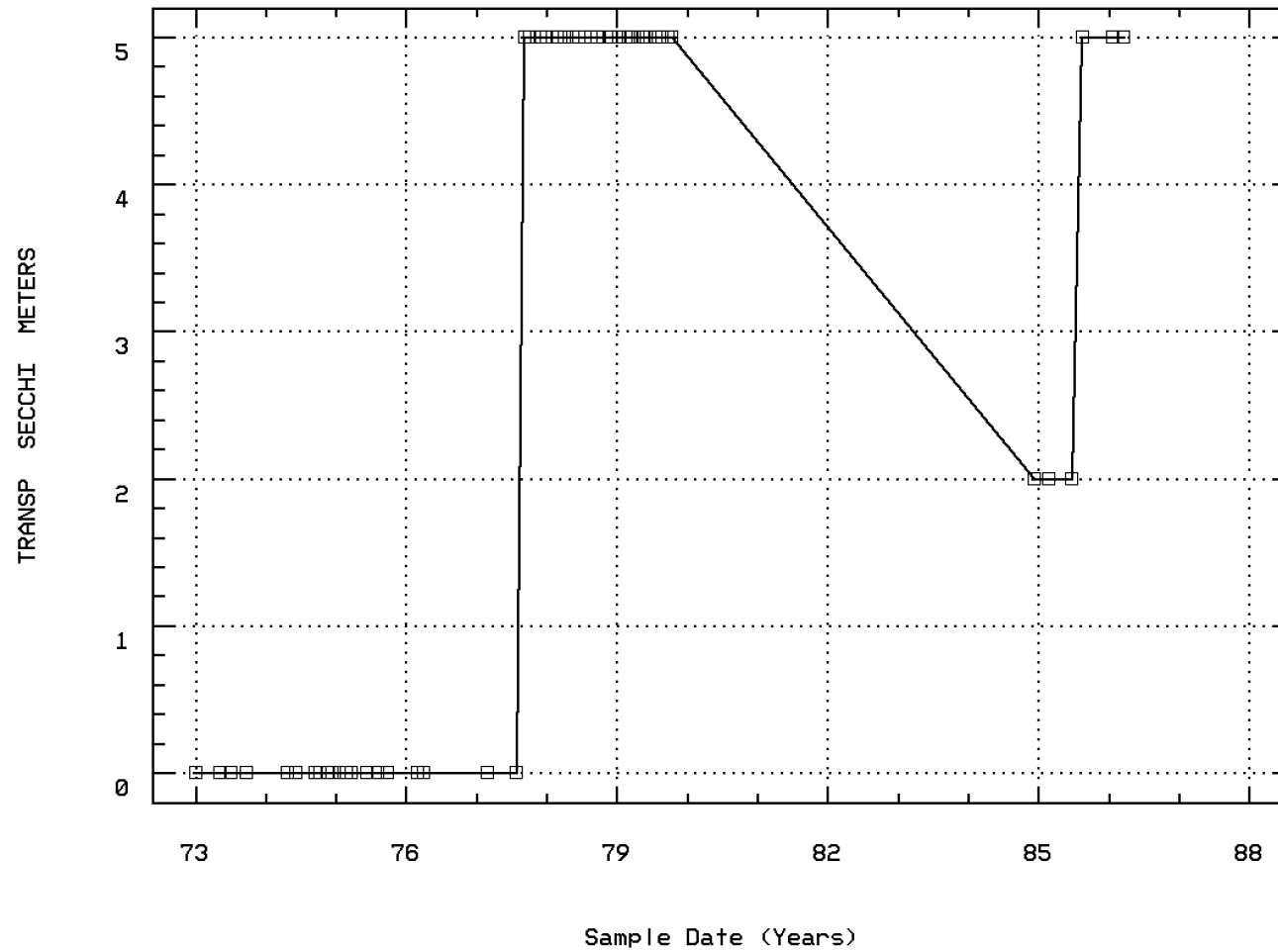
EPA Water Quality Criteria Analysis for Station: VIIS0064

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	44	0	0.00	22	0	0.00	9	0	0.00	13	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	12	0	0.00	4	0	0.00	7	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	26	0	0.00	11	0	0.00	7	0	0.00	8	0	0.00		
00400	PH	Other-Hi Lim.	9.	42	0	0.00	20	0	0.00	9	0	0.00	13	0	0.00		
		Other-Lo Lim.	6.5	42	0	0.00	20	0	0.00	9	0	0.00	13	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	48	1	0.02	23	1	0.04	11	0	0.00	14	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0064 Parameter Code: 00078

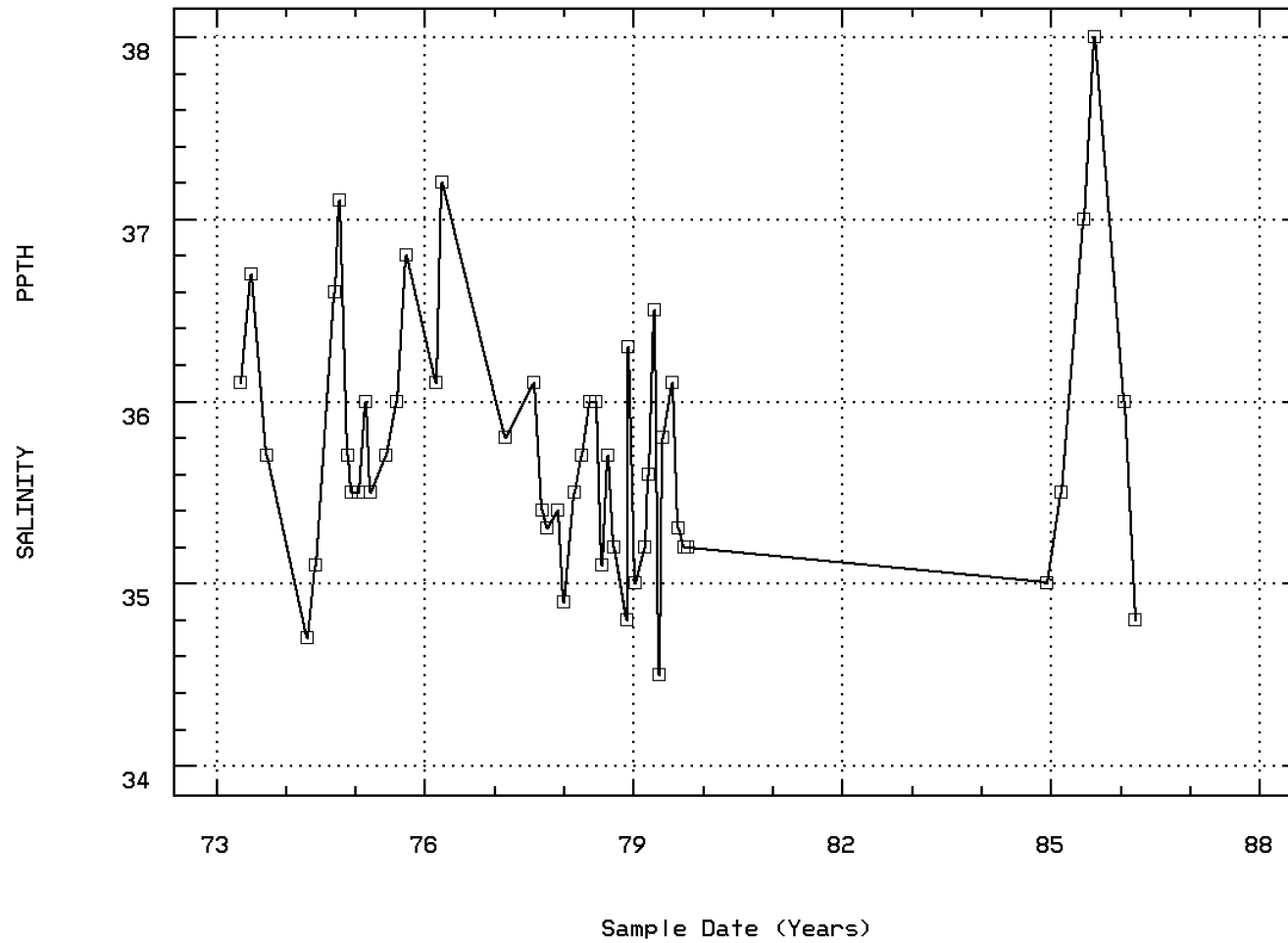
TRANSPARENCY, SECCHI DISC (METERS)



HAWKSNEST BAY

Station: VIIS0064 Parameter Code: 00480

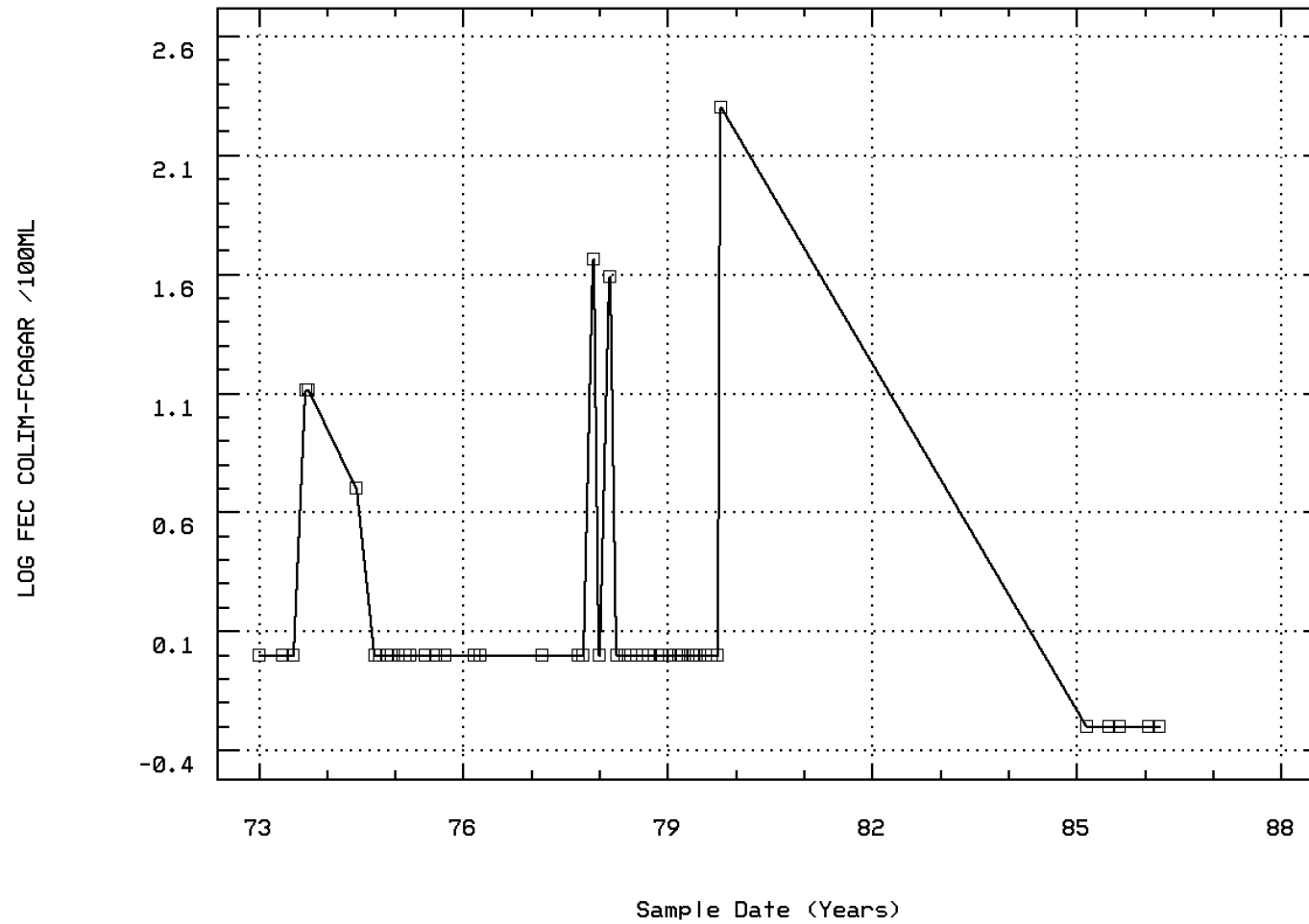
SALINITY - PARTS PER THOUSAND



HAWKSNEST BAY

Station: VIIS0064 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



HAWKSNEST BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	24	28.5	28.154	29.7	25.8	0.9	0.949	26.5	27.9	28.65	29.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/11/79	22	0.4	0.473	1.3	0.2	0.09	0.299	0.2	0.275	0.525	1.07
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	23	5.	2.913	5.	0.	6.083	2.466	0.	0.	5.	5.
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	20	8.2	8.172	8.25	8.05	0.003	0.059	8.1	8.1	8.2	8.249
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	20	8.2	8.168	8.25	8.05	0.003	0.059	8.1	8.1	8.2	8.249
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	20	0.006	0.007	0.009	0.006	0.	0.001	0.006	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-03/18/86	23	35.7	35.835	38.	34.8	0.617	0.785	35.04	35.2	36.3	36.98
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	23	0.	12.283	200.	0.	1776.564	42.149	0.	0.	0.5	32.8
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	23	0.	0.3	2.301	-0.301	0.435	0.659	0.	0.	-0.301	1.443
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.993								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	11	25.4	25.6	27.3	23.9	0.808	0.899	24.12	25.	26.	27.14
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/11/79	9	0.5	0.5	1.1	0.2	0.073	0.269	0.2	0.3	0.6	1.1
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	11	2.	2.455	5.	0.	6.273	2.505	0.	0.	5.	5.
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	9	8.2	8.233	8.35	8.1	0.009	0.097	8.1	8.15	8.35	8.35
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	9	8.2	8.224	8.35	8.1	0.009	0.097	8.1	8.15	8.35	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	9	0.006	0.006	0.008	0.004	0.	0.001	0.004	0.004	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-03/18/86	10	35.5	35.55	36.1	34.9	0.181	0.425	34.91	35.15	36.	36.09
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	11	0.	3.636	39.	0.	137.605	11.73	0.	0.	0.5	31.3
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	11	0.	0.09	1.591	-0.301	0.262	0.512	0.	0.	-0.301	1.213
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.23								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

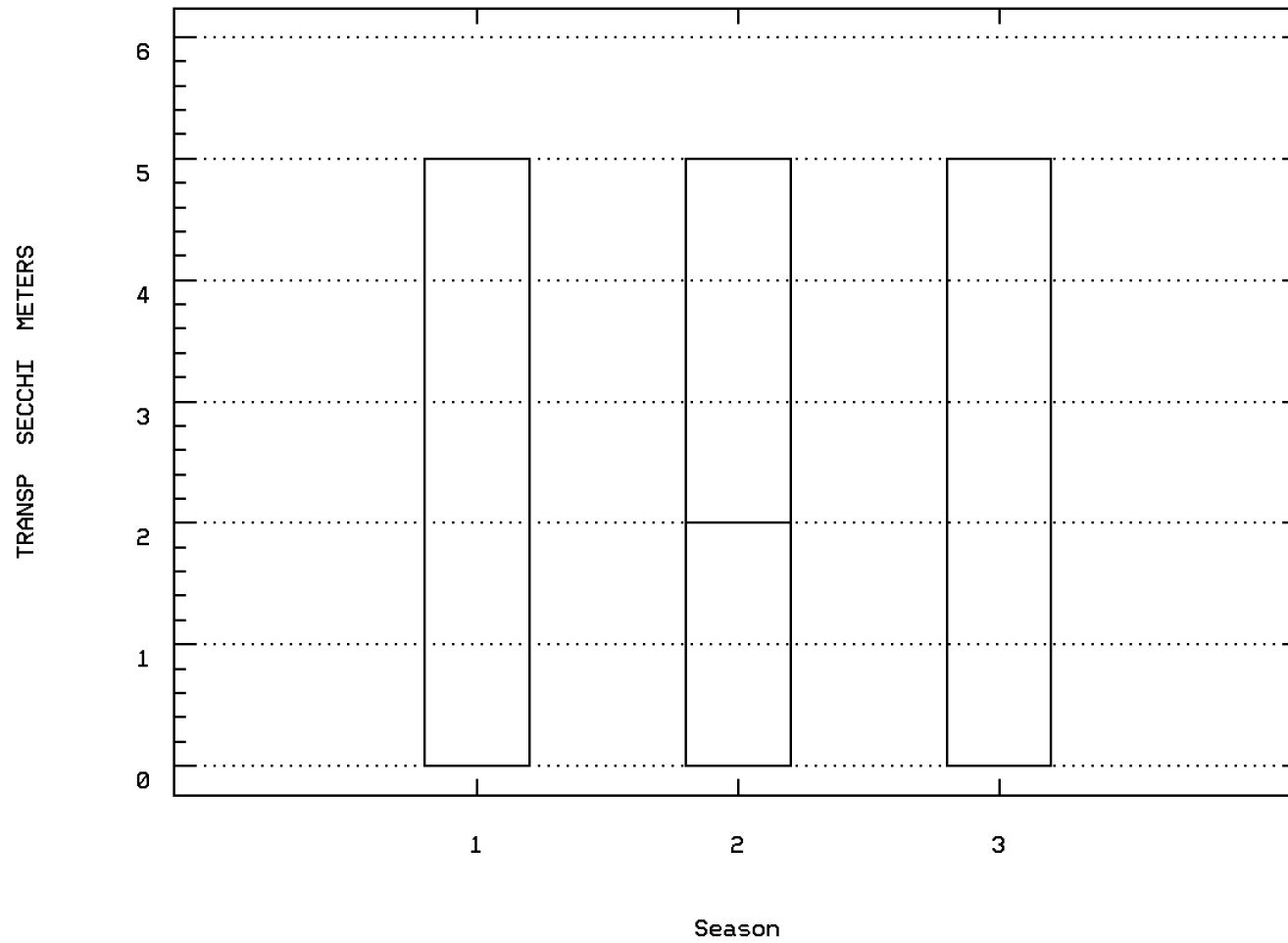
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	15	27.	26.92	28.5	24.5	1.29	1.136	24.92	26.3	28.	28.32
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/11/79	13	0.6	0.631	2.1	0.1	0.259	0.509	0.14	0.35	0.75	1.66
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-03/18/86	15	5.	2.8	5.	0.	6.171	2.484	0.	0.	5.	5.
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	13	8.2	8.196	8.3	8.	0.006	0.078	8.06	8.15	8.25	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	13	8.2	8.189	8.3	8.	0.006	0.078	8.06	8.15	8.25	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	13	0.006	0.006	0.01	0.005	0.	0.001	0.005	0.006	0.007	0.009
00480p	SALINITY - PARTS PER THOUSAND	05/09/73-03/18/86	15	35.7	35.747	37.2	34.5	0.611	0.782	34.62	35.1	36.1	37.08
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	14	0.	0.429	5.	0.	1.764	1.328	0.	0.	0.125	2.75
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	14	0.	0.007	0.699	-0.301	0.051	0.227	0.	0.	-0.075	0.199
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.016								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0064 Parameter Code: 00078

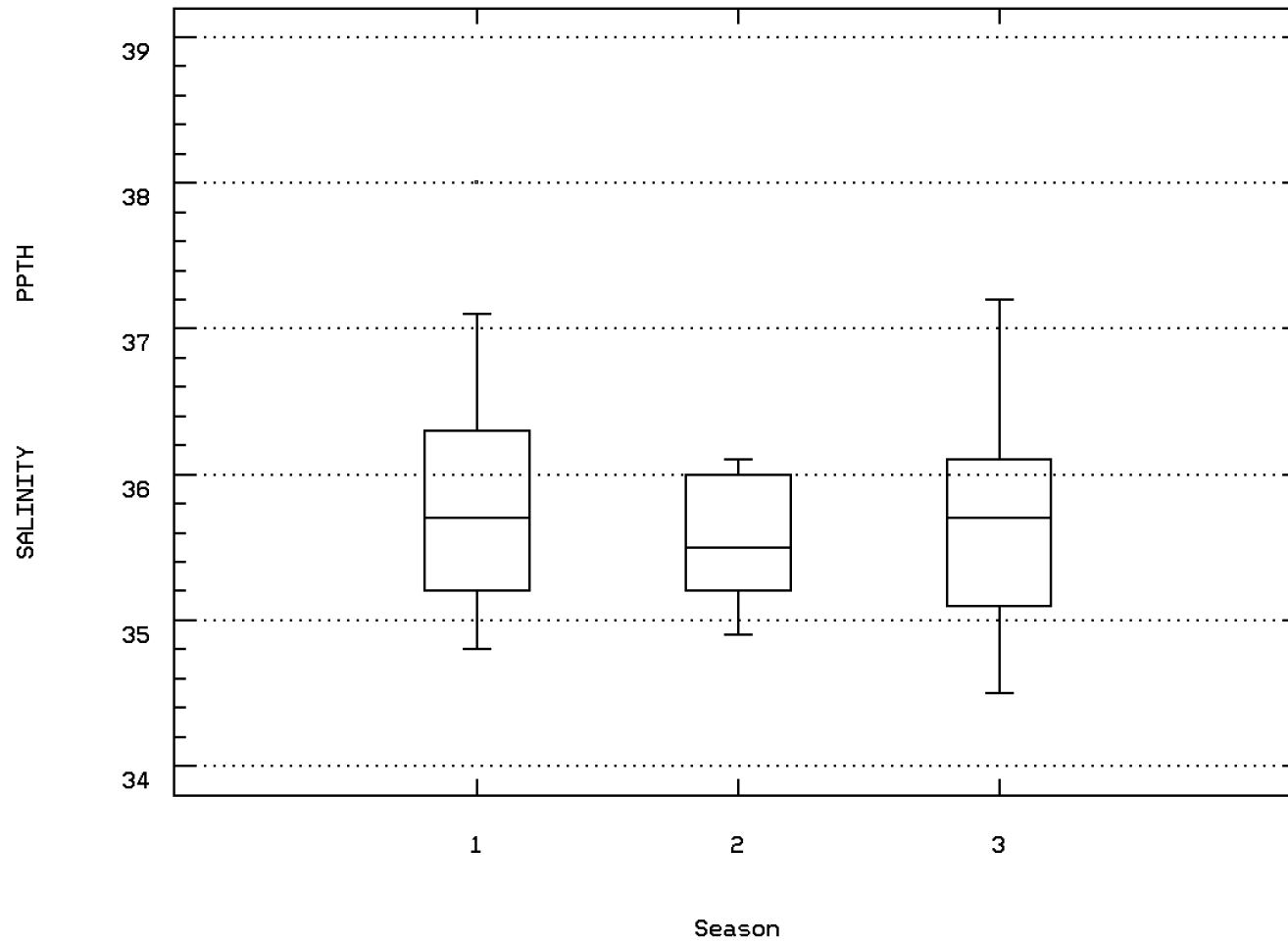
TRANSPARENCY, SECCHI DISC (METERS)



HAWKSNEST BAY

Station: VIIS0064 Parameter Code: 00480

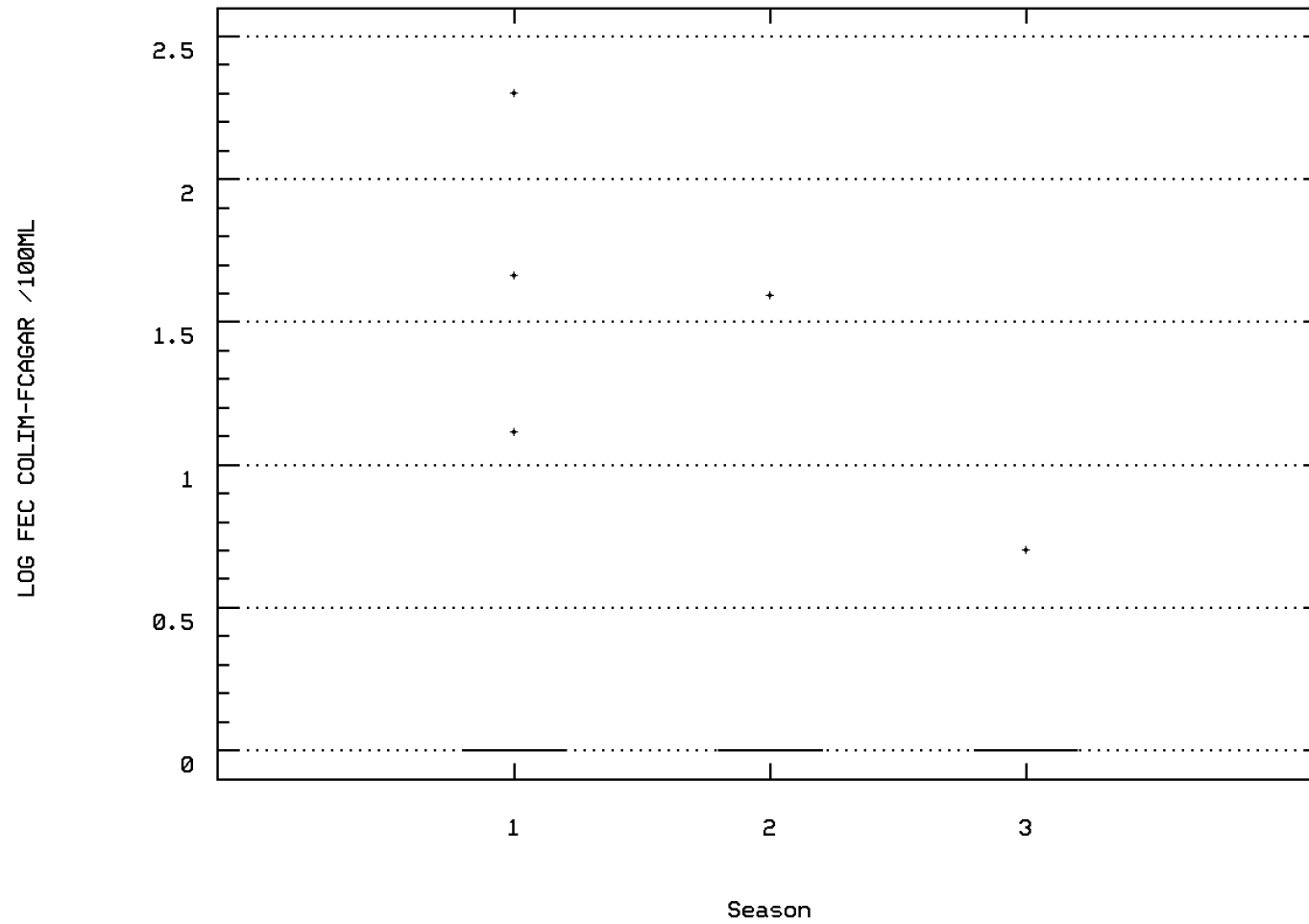
SALINITY - PARTS PER THOUSAND



HAWKSNEST BAY

Station: VIIS0064 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



HAWKSNEST BAY

Station Inventory for Station: VIIS0065

NPS Station ID: VIIS0065
 Location: HAWKSNEST MIDDLE BEACH
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.348503/ -64.781559

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_HAMB03
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.55	27.374	29.1	25.2	1.364	1.168	25.8	26.2	28.425	28.8
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	65	40.	44.015	100.	4.	664.734	25.782	13.	22.5	60.	80.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	64	5.	6.82	15.	0.5	13.154	3.627	2.5	5.	10.	11.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	78.35	78.143	95.2	59.	51.932	7.206	69.69	75.225	83.225	85.44
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	5.	5.137	8.48	2.42	1.154	1.074	4.	4.4	5.5	6.5
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54250.	46098.067	56000.	51.	381315949.555	19527.313	55.	52700.	54700.	55300.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.2	6.326	7.7	5.6	0.191	0.438	5.87	6.	6.6	6.93
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	65	7.85	7.783	8.92	7.16	0.115	0.339	7.38	7.425	8.04	8.152
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	65	7.85	7.665	8.92	7.16	0.129	0.359	7.38	7.425	8.04	8.152
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	65	0.014	0.022	0.069	0.001	0.	0.015	0.007	0.009	0.038	0.042
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.1	35.779	37.2	33.2	0.781	0.884	34.44	35.3	36.3	36.7
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.011	0.011	0.023	0.003	0.	0.006	0.003	0.005	0.016	0.021
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.005	0.	0.	0.001	0.	0.	0.001	0.004
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.003	0.01	0.	0.	0.003	0.	0.001	0.005	0.009
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.004	0.01	0.001	0.	0.003	0.001	0.002	0.006	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.006	0.01	0.003	0.	0.002	0.003	0.004	0.007	0.01
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.2	0.305	0.8	0.05	0.035	0.187	0.1	0.2	0.425	0.6
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	5.	5.2	8.5	2.4	1.193	1.092	4.	4.5	5.5	6.58

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0065

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	65	0	0.00	30	0	0.00	16	0	0.00	19	0	0.00			
	Other-Lo Lim.	6.5	65	0	0.00	30	0	0.00	16	0	0.00	19	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	28	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.6	27.256	28.5	25.8	1.29	1.136	25.8	25.85	28.25	28.5
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	60.	54.889	99.	10.	1038.861	32.231	10.	25.	87.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	7.222	10.	5.	6.944	2.635	5.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	5.	4.813	5.5	3.5	0.353	0.594	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54350.	54350.	54700.	54000.	123333.333	351.188	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.211	6.7	5.9	0.049	0.22	5.9	6.1	6.3	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.84	7.862	8.36	7.16	0.103	0.322	7.16	7.785	8.05	8.36
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.84	7.734	8.36	7.16	0.122	0.349	7.16	7.785	8.05	8.36
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.014	0.018	0.069	0.004	0.	0.019	0.004	0.009	0.016	0.069
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.8	35.42	36.2	33.2	1.592	1.262	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.243	0.7	0.1	0.043	0.207	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	5.	4.778	5.5	3.5	0.319	0.565	3.5	4.5	5.	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	26.6	26.757	28.8	25.2	1.69	1.3	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	20.	36.429	80.	20.	589.286	24.275	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	5.	8.333	15.	5.	26.667	5.164	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	70.6	72.033	83.2	62.3	110.743	10.523	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	5.	4.643	5.5	4.	0.393	0.627	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52600.	52642.857	53700.	52100.	339523.81	582.687	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.3	6.343	6.9	6.	0.116	0.341	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	7	7.39	7.506	7.93	7.25	0.058	0.241	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	7	7.39	7.457	7.93	7.25	0.061	0.247	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	7	0.041	0.035	0.056	0.012	0.	0.015	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.7	34.743	35.5	34.3	0.163	0.404	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.217	0.4	0.1	0.018	0.133	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	5.	4.929	6.	4.	0.536	0.732	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.2	27.691	29.1	25.6	1.665	1.29	25.64	26.4	28.8	29.08
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	50.	55.5	95.	25.	496.944	22.292	26.	38.75	72.5	93.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	7.5	8.	15.	5.	12.222	3.496	5.	5.	10.	14.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	11	77.	77.382	86.5	63.	57.16	7.56	64.24	69.9	84.	86.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	5.5	5.664	7.	3.5	0.825	0.908	3.86	5.5	6.5	6.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54500.	54509.091	55500.	53400.	348909.091	590.685	53520.	54100.	54900.	55460.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.4	6.509	7.3	6.	0.165	0.406	6.	6.2	6.8	7.24
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.4	7.403	7.45	7.37	0.001	0.025	7.372	7.38	7.42	7.448
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.4	7.402	7.45	7.37	0.001	0.025	7.372	7.38	7.42	7.448
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.04	0.04	0.043	0.035	0.	0.002	0.036	0.038	0.042	0.042
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.1	36.064	36.7	35.3	0.159	0.398	35.38	35.8	36.3	36.68
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.55	0.47	0.7	0.1	0.04	0.2	0.11	0.275	0.6	0.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	5.5	5.664	7.	3.5	0.825	0.908	3.86	5.5	6.5	6.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	27.4	27.42	29.	25.9	1.417	1.191	25.92	26.175	28.725	28.98
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	55.	51.3	98.	5.	751.344	27.411	7.	28.75	68.75	96.2
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	6.25	6.15	10.	1.5	11.003	3.317	1.6	2.5	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	74.95	73.36	80.	59.	32.374	5.69	60.1	71.875	76.1	79.64
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	5.5	5.357	6.25	4.	0.58	0.762	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54600.	54255.556	56000.	51600.	2055277.778	1433.624	51600.	53050.	55450.	56000.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.35	6.5	7.7	5.7	0.642	0.801	5.7	5.775	7.3	7.69
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	10	7.505	7.587	7.95	7.38	0.043	0.208	7.383	7.425	7.823	7.941
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	10	7.504	7.548	7.95	7.38	0.045	0.212	7.383	7.425	7.823	7.941
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	10	0.031	0.028	0.042	0.011	0.	0.011	0.011	0.015	0.038	0.041
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.911	37.2	34.	1.104	1.051	34.	35.	36.8	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.4	0.8	0.1	0.043	0.206	0.1	0.25	0.5	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	5.25	5.51	8.	4.	1.137	1.066	4.1	5.	5.925	7.83

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	27.6	27.436	29.1	25.9	1.307	1.143	25.9	26.4	28.3	29.04
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	40.	41.364	70.	25.	200.455	14.158	25.	30.	50.	67.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	5.364	15.	0.5	15.355	3.918	0.6	2.5	7.5	13.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	79.	79.59	85.1	70.2	24.421	4.942	70.75	76.225	84.7	85.09
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	4.4	4.889	8.	3.75	1.56	1.249	3.799	4.248	5.25	7.8
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54600.	54436.364	55200.	53500.	286545.455	535.299	53520.	54000.	54700.	55160.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.5	6.391	7.	5.9	0.133	0.365	5.92	6.	6.7	6.94
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	11	7.96	7.974	8.25	7.82	0.017	0.131	7.822	7.87	8.06	8.214
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	11	7.96	7.957	8.25	7.82	0.017	0.132	7.822	7.87	8.06	8.214
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	11	0.011	0.011	0.015	0.006	0.	0.003	0.006	0.009	0.013	0.015
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.2	36.073	36.7	35.3	0.19	0.436	35.32	35.7	36.3	36.66
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	8	0.2	0.296	0.6	0.07	0.033	0.182	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	4.4	4.9	8.	3.8	1.54	1.241	3.84	4.275	5.25	7.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.2	27.411	28.9	25.6	1.556	1.247	25.6	26.25	28.6	28.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	33.778	70.	4.	574.694	23.973	4.	12.5	55.	70.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.889	10.	2.	7.111	2.667	2.	4.5	8.5	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	93.4	88.4	95.2	76.6	105.24	10.259	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	4.88	5.182	7.62	3.96	1.488	1.22	3.96	4.27	5.945	7.62
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54700.	54755.556	55800.	53800.	382777.778	618.69	53800.	54250.	55250.	55800.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	6.156	6.6	5.9	0.05	0.224	5.9	5.95	6.3	6.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	9	7.9	7.981	8.28	7.85	0.022	0.147	7.85	7.87	8.09	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	9	7.9	7.961	8.28	7.85	0.022	0.148	7.85	7.87	8.09	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	9	0.013	0.011	0.014	0.005	0.	0.003	0.005	0.008	0.013	0.014
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.3	36.278	37.1	35.5	0.234	0.484	35.5	35.9	36.6	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.201	0.4	0.05	0.014	0.118	0.05	0.08	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.9	5.2	7.6	4.	1.44	1.2	4.	4.3	5.95	7.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.8	27.422	28.8	25.7	1.159	1.077	25.7	26.3	28.25	28.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	31.667	100.	5.	893.75	29.896	5.	12.5	47.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	7.5	7.556	15.	0.5	18.84	4.341	0.5	5.	11.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	81.9	81.4	85.2	78.7	5.382	2.32	78.7	79.2	83.2	85.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	4.88	5.223	8.48	2.42	2.511	1.585	2.42	4.71	5.755	8.48
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55.	53.778	55.	51.	2.444	1.563	51.	52.5	55.	55.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.1	6.5	5.6	0.08	0.283	5.6	5.85	6.3	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.11	8.217	8.92	8.03	0.085	0.292	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.109	8.16	8.92	8.03	0.089	0.299	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.008	0.007	0.009	0.001	0.	0.003	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.1	35.444	36.7	33.5	1.493	1.222	33.5	34.25	36.4	36.7
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.244	0.4	0.2	0.005	0.073	0.2	0.2	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.9	5.256	8.5	2.4	2.54	1.594	2.4	4.75	5.8	8.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	31	28.5	28.329	29.1	26.7	0.368	0.607	27.24	28.	28.8	29.
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	30	40.	41.267	100.	5.	659.168	25.674	5.5	20.	60.	79.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	29	5.	5.931	15.	0.5	13.799	3.715	1.5	3.75	8.75	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	29	5.18	5.475	8.48	3.5	1.193	1.092	4.25	4.94	6.	7.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	30	54350.	46983.833	55800.	52.	351384955.937	18745.265	55.	52850.	54700.	55290.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	31	6.	6.077	7.3	5.6	0.104	0.322	5.72	5.9	6.2	6.4
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	30	7.855	7.773	8.25	7.25	0.086	0.294	7.38	7.408	8.015	8.098
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	30	7.855	7.675	8.25	7.25	0.096	0.31	7.38	7.407	8.015	8.098
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	30	0.014	0.021	0.056	0.006	0.	0.015	0.008	0.01	0.039	0.042
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	30	36.1	35.81	37.1	33.6	0.666	0.816	34.33	35.625	36.25	36.6
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	28	0.3	0.319	0.7	0.05	0.033	0.181	0.097	0.2	0.5	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	30	5.1	5.523	8.5	3.5	1.387	1.178	4.32	4.9	6.075	7.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	16	25.85	25.844	26.5	25.2	0.092	0.303	25.41	25.625	26.05	26.29
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	16	35.	43.063	99.	15.	588.729	24.264	18.5	22.5	60.	85.7
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	16	7.75	8.281	15.	5.	12.799	3.578	5.	5.	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	14	4.94	5.027	7.62	4.	0.954	0.977	4.	4.262	5.5	6.81
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	14	53750.	46300.571	55200.	53.	384404233.033	19606.229	54.	52975.	54600.	55050.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	16	6.55	6.531	7.2	6.	0.105	0.324	6.07	6.3	6.7	7.06
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	16	7.87	7.753	8.25	7.16	0.1	0.316	7.321	7.435	8.005	8.173
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	16	7.87	7.644	8.25	7.16	0.112	0.335	7.321	7.435	8.005	8.173
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	16	0.013	0.023	0.069	0.006	0.	0.017	0.007	0.01	0.037	0.049
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	15	35.5	35.553	36.7	33.2	0.753	0.868	34.1	35.2	36.2	36.46
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	14	0.2	0.311	0.8	0.06	0.044	0.21	0.08	0.2	0.5	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	16	5.	5.15	7.6	4.	0.796	0.892	4.14	4.375	5.5	6.48

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	19	27.1	27.105	28.4	25.8	0.506	0.711	26.2	26.4	27.6	28.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	19	50.	49.158	95.	4.	769.585	27.741	10.	25.	70.	95.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	19	5.	6.947	15.	0.5	10.719	3.274	4.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	18	4.725	4.677	6.5	2.42	0.948	0.974	3.392	4.	5.35	6.104
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	16	54550.	44260.063	56000.	51.	482137235.396	21957.624	53.8	52375.	55225.	55720.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	19	6.3	6.558	7.7	5.9	0.23	0.48	6.1	6.2	6.8	7.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	19	7.82	7.823	8.92	7.37	0.183	0.428	7.38	7.43	8.08	8.36
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	19	7.82	7.669	8.92	7.37	0.209	0.457	7.38	7.43	8.08	8.36
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	19	0.015	0.021	0.043	0.001	0.	0.015	0.004	0.008	0.037	0.042
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	16	36.3	35.931	37.2	33.5	1.057	1.028	34.13	35.1	36.675	36.99
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	16	0.2	0.275	0.7	0.1	0.034	0.184	0.1	0.1	0.4	0.63
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	19	4.9	4.732	6.5	2.4	0.935	0.967	3.5	4.	5.5	6.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0066

NPS Station ID: VIIS0066
 Location: CHOC, HOLE 100 FT OFF BEACH AT DRAIN 1.5/2.5
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.318892/ -64.784726

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-46
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0066

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/06/80	11	27.8	28.055	29.9	26.4	1.419	1.191	26.48	27.	29.2	29.78
00032 CLOUD COVER (PERCENT)	11/07/79-11/06/80	11	35.	29.273	60.	3.	309.618	17.596	4.4	12.	40.	57.
00035 WIND VELOCITY (MILES PER HOUR)	11/07/79-11/06/80	11	11.	10.636	13.	7.	6.055	2.461	7.2	8.	13.	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/06/80	11	2.	2.164	2.8	2.	0.085	0.291	2.	2.	2.5	2.74
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-11/06/80	11	7.2	7.018	8.	5.5	0.372	0.61	5.76	6.8	7.3	7.86
00400 PH (STANDARD UNITS)	11/07/79-11/06/80	11	8.2	8.177	8.3	8.	0.009	0.093	8.02	8.1	8.25	8.3
00400 CONVERTED PH (STANDARD UNITS)	11/07/79-11/06/80	11	8.2	8.168	8.3	8.	0.009	0.094	8.02	8.1	8.25	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/07/79-11/06/80	11	0.006	0.007	0.01	0.005	0.	0.002	0.005	0.006	0.008	0.01
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/06/80	11	36.1	35.927	36.9	35.	0.302	0.55	35.04	35.5	36.3	36.8
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/06/80	11 ##	0.5	23.182	250.	0.5	5659.114	75.227	0.5	0.5	0.5	200.1
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/06/80	11 ##	-0.301	-0.056	2.398	-0.301	0.662	0.814	-0.301	-0.301	-0.301	1.858
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.88								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-11/06/80	11	0.7	0.691	1.	0.3	0.071	0.266	0.32	0.4	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0066

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
00400 PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
	Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	11	1	0.09	5	0	0.00	4	1	0.25	2	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0067

NPS Station ID: VIIS0067
 Location: CHOCOLATE HOLE
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN - 100 FT OFF
 Minor Basin: BEACH AT DRAIN DEPTH 1.5/2.5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.318892/ -64.784726

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 46 /STJ46
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-01/23/86	42	27.25	27.502	31.	23.4	2.884	1.698	25.	26.275	29.	29.37
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	35	0.4	0.463	1.2	0.2	0.056	0.237	0.2	0.3	0.5	0.84
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/11/73-01/23/86	40	2.	1.25	2.5	0.	1.474	1.214	0.	0.	2.5	2.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	15	6.7	6.747	8.5	5.6	0.44	0.663	5.9	6.3	6.9	7.96
00300	OXYGEN, DISSOLVED MG/L	01/03/73-01/23/86	26	6.55	6.685	7.8	6.1	0.215	0.464	6.2	6.3	6.825	7.49
00400	PH (STANDARD UNITS)	01/11/73-10/02/79	34	8.2	8.197	8.4	8.	0.01	0.101	8.05	8.1	8.3	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/11/73-10/02/79	34	8.2	8.186	8.4	8.	0.01	0.101	8.05	8.1	8.3	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/11/73-10/02/79	34	0.006	0.007	0.01	0.004	0.	0.002	0.005	0.005	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/11/73-01/23/86	36	35.8	35.864	38.	34.1	0.708	0.841	34.97	35.3	36.3	37.15
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/09/73-01/23/86	37	0.	0.392	7.	0.	1.71	1.308	0.	0.	0.	0.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/09/73-01/23/86	37	0.	-0.002	0.845	-0.301	0.042	0.206	0.	0.	0.	-0.241
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.996								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-01/23/86	8	0.35	0.346	0.7	0.03	0.076	0.276	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

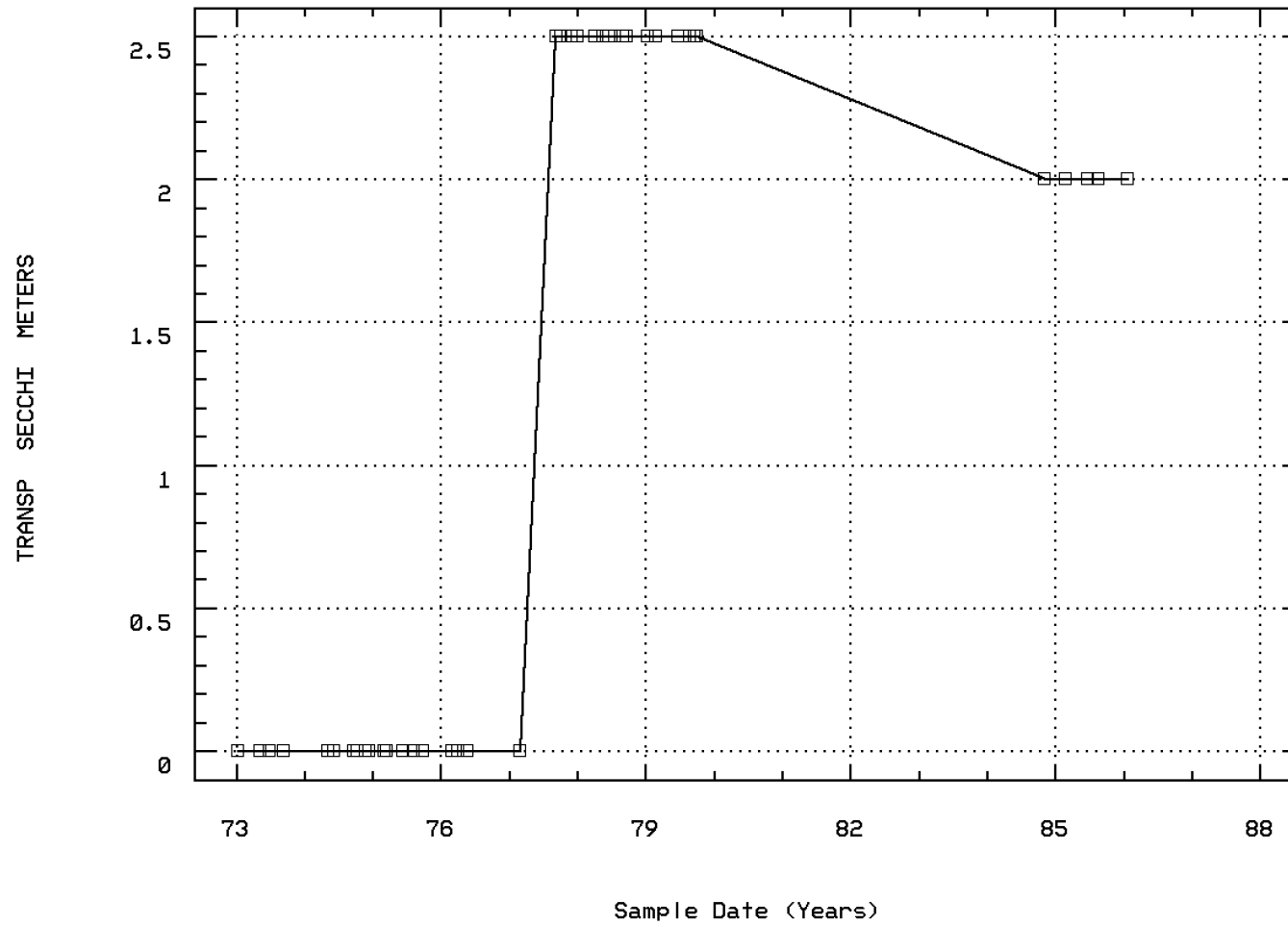
EPA Water Quality Criteria Analysis for Station: VIIS0067

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	35	0	0.00	16	0	0.00	9	0	0.00	10	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	15	0	0.00	9	0	0.00	2	0	0.00	4	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	26	0	0.00	10	0	0.00	8	0	0.00	8	0	0.00		
00400	PH	Other-Hi Lim.	9.	34	0	0.00	15	0	0.00	8	0	0.00	11	0	0.00		
		Other-Lo Lim.	6.5	34	0	0.00	15	0	0.00	8	0	0.00	11	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	37	0	0.00	18	0	0.00	8	0	0.00	11	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0067 Parameter Code: 00078

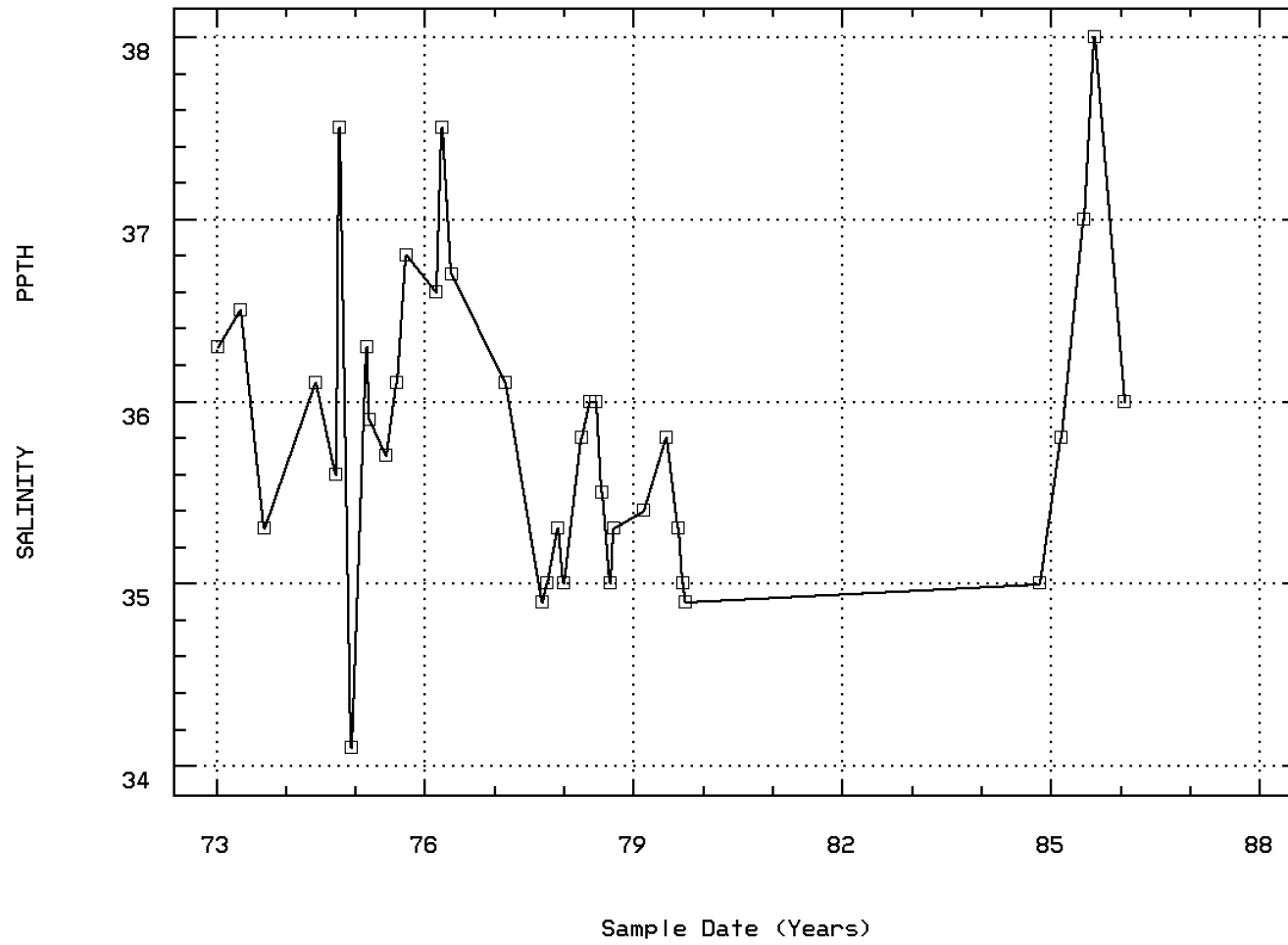
TRANSPARENCY, SECCHI DISC (METERS)



CHOCOLATE HOLE

Station: VIIS0067 Parameter Code: 00480

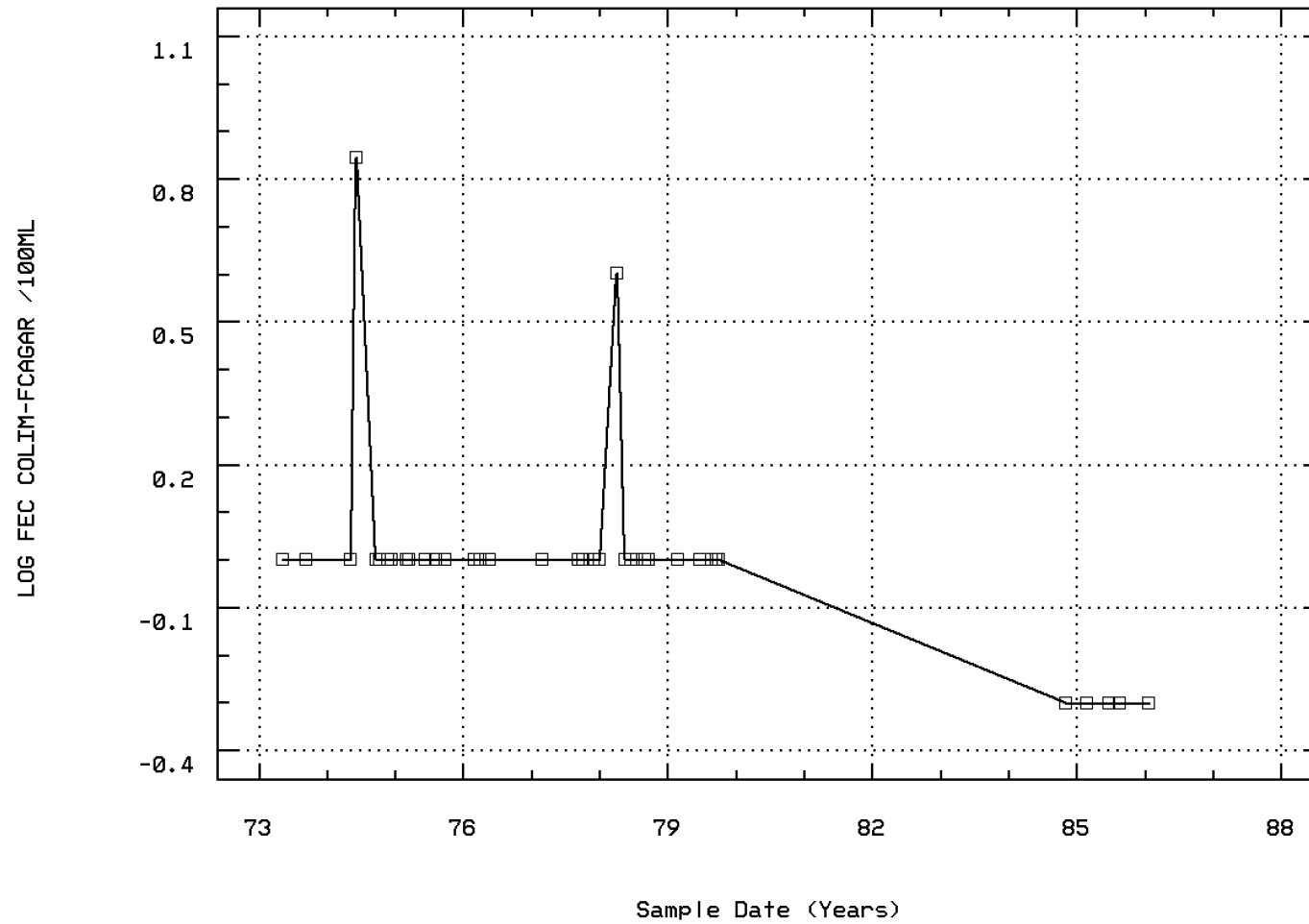
SALINITY - PARTS PER THOUSAND



CHOCOLATE HOLE

Station: VIIS0067 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CHOCOLATE HOLE

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-01/23/86	19	28.9	28.289	29.9	25.	1.765	1.329	25.7	27.2	29.2	29.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	16	0.4	0.481	1.2	0.2	0.083	0.288	0.2	0.3	0.575	1.13
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/11/73-01/23/86	18	2.25	1.472	2.5	0.	1.484	1.218	0.	0.	2.5	2.5
00400	PH (STANDARD UNITS)	01/11/73-10/02/79	15	8.2	8.2	8.3	8.1	0.006	0.076	8.1	8.1	8.3	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/11/73-10/02/79	15	8.2	8.194	8.3	8.1	0.006	0.076	8.1	8.1	8.3	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/11/73-10/02/79	15	0.006	0.006	0.008	0.005	0.	0.001	0.005	0.005	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/11/73-01/23/86	17	35.3	35.565	38.	34.1	1.005	1.002	34.74	35.	35.85	37.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-01/23/86	11	26.2	25.864	27.	23.4	1.347	1.16	23.58	25.	26.8	27.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	9	0.4	0.5	0.9	0.3	0.045	0.212	0.3	0.35	0.65	0.9
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/11/73-01/23/86	10	1.	1.15	2.5	0.	1.503	1.226	0.	0.	2.5	2.5
00400	PH (STANDARD UNITS)	01/11/73-10/02/79	8	8.225	8.225	8.4	8.	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/11/73-10/02/79	8	8.224	8.205	8.4	8.	0.02	0.143	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/11/73-10/02/79	8	0.006	0.006	0.01	0.004	0.	0.002	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	01/11/73-01/23/86	9	36.	35.933	36.6	35.	0.24	0.49	35.	35.6	36.3	36.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

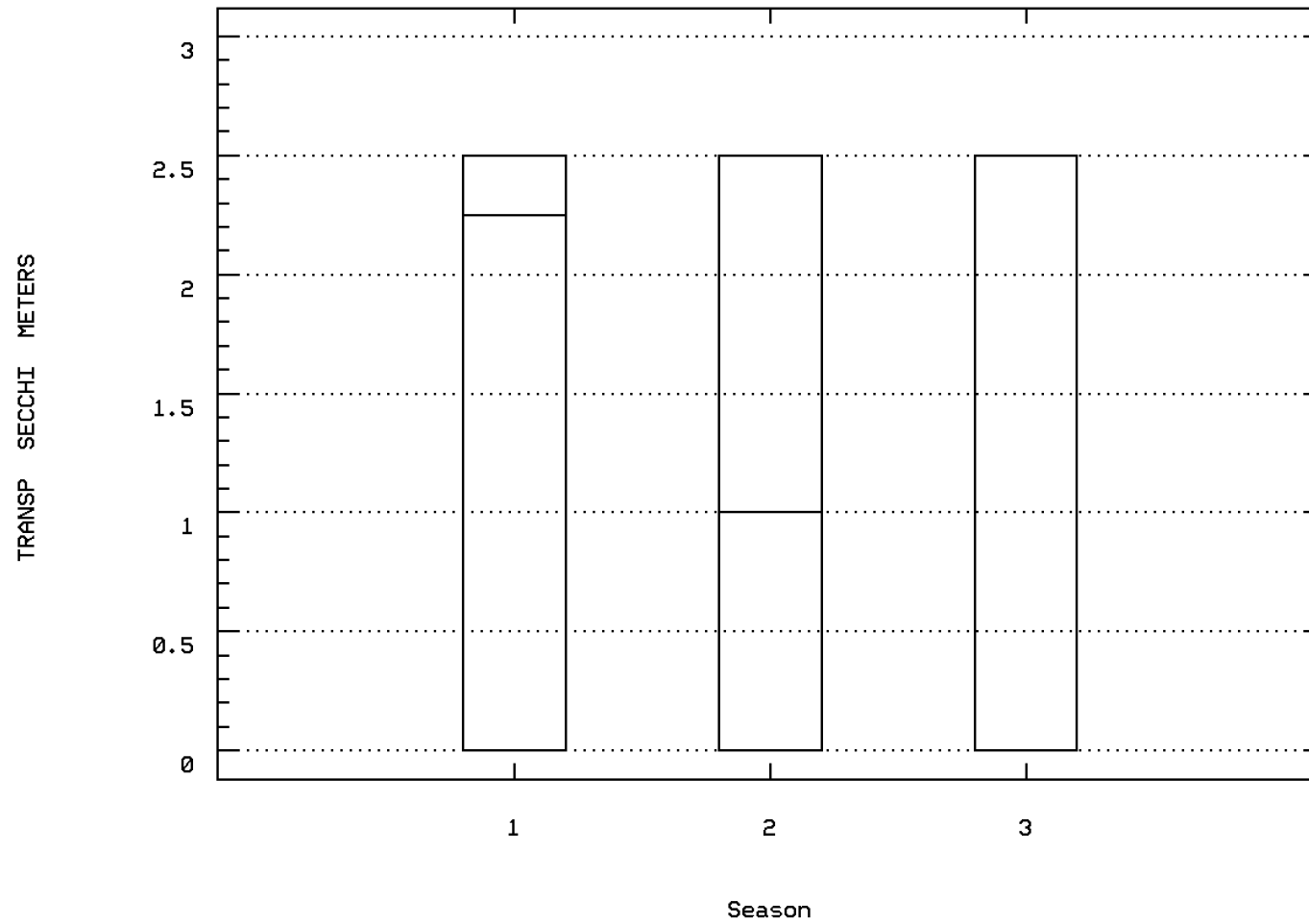
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-01/23/86	12	27.6	27.758	31.	24.8	2.808	1.676	25.19	26.725	29.125	30.55
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-10/02/79	10	0.4	0.4	0.7	0.2	0.027	0.163	0.2	0.275	0.525	0.69
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/11/73-01/23/86	12	0.	1.	2.5	0.	1.545	1.243	0.	0.	2.5	2.5
00400	PH (STANDARD UNITS)	01/11/73-10/02/79	11	8.2	8.173	8.3	8.	0.01	0.101	8.	8.1	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/11/73-10/02/79	11	8.2	8.162	8.3	8.	0.01	0.102	8.	8.1	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/11/73-10/02/79	11	0.006	0.007	0.01	0.005	0.	0.002	0.005	0.006	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	01/11/73-01/23/86	10	36.05	36.31	37.5	35.7	0.357	0.597	35.71	35.8	36.775	37.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0067 Parameter Code: 00078

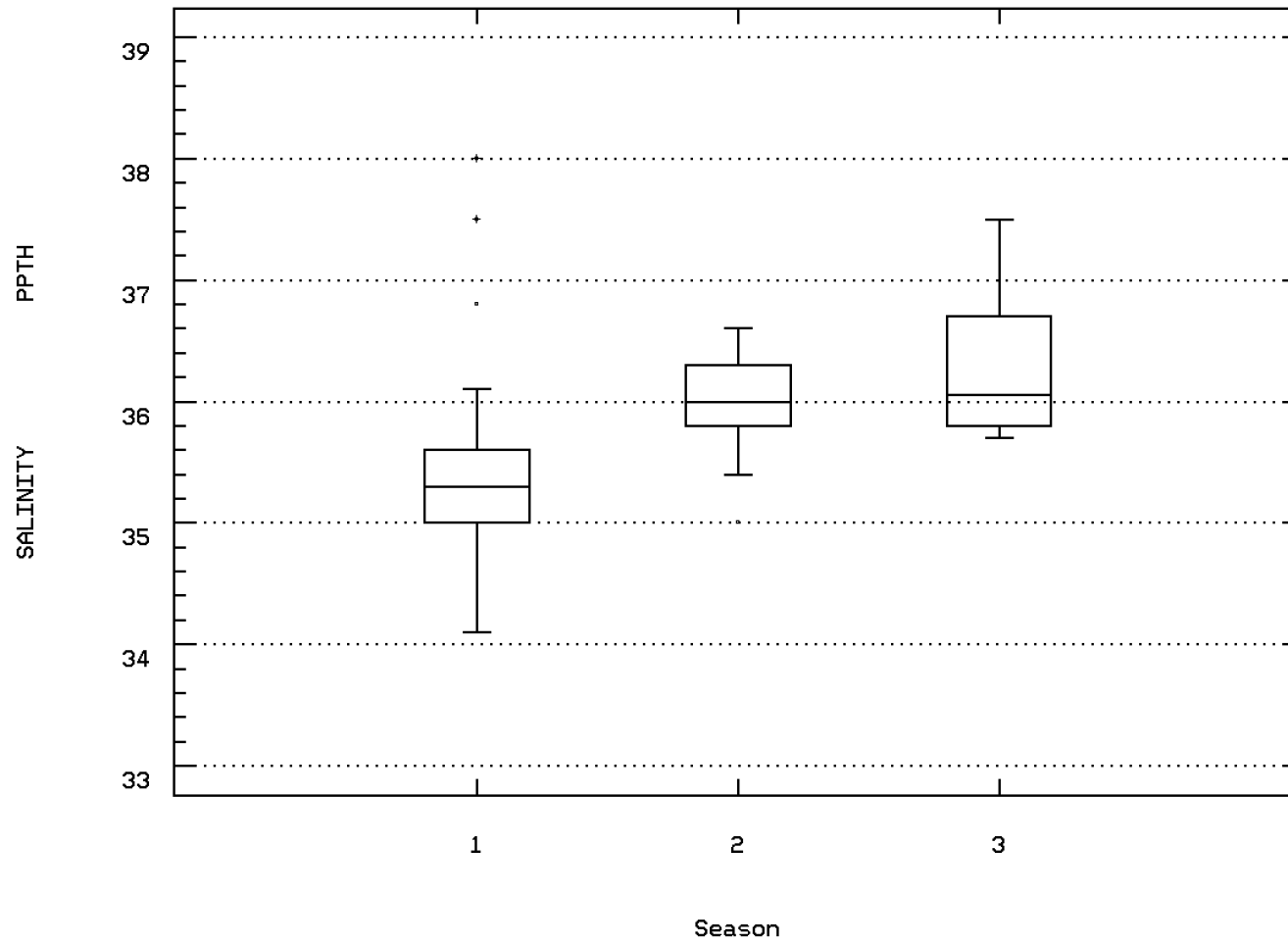
TRANSPARENCY, SECCHI DISC (METERS)



CHOCOLATE HOLE

Station: VIIS0067 Parameter Code: 00480

SALINITY - PARTS PER THOUSAND



CHOCOLATE HOLE

Station Inventory for Station: VIIS0068

NPS Station ID: VIIS0068
 Location: CHOCOLATE HOLE
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.319003/ -64.785004

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_CHHO24
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	64	28.3	28.142	30.4	25.9	1.41	1.188	26.35	27.	29.	29.6
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	62	32.5	38.29	100.	0.	702.045	26.496	6.5	18.75	50.	88.5
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	61	5.	7.107	15.	0.	13.093	3.618	3.	5.	10.	12.4
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	44	69.25	61.661	87.3	8.3	395.374	19.884	31.45	48.525	77.15	79.5
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	2.5	2.838	7.	0.8	1.531	1.237	1.804	2.	3.35	4.734
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	58	54000.	45682.483	56200.	51.	390248783.377	19754.715	54.9	52475.	54650.	55500.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	64	7.4	7.464	9.7	6.	0.632	0.795	6.55	6.9	8.175	8.5
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	56	7.82	7.804	8.66	7.25	0.13	0.361	7.39	7.422	8.13	8.249
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	56	7.82	7.674	8.66	7.25	0.148	0.384	7.39	7.422	8.13	8.249
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	56	0.015	0.021	0.056	0.002	0.	0.015	0.006	0.007	0.038	0.041
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	59	35.8	35.656	37.4	33.3	0.87	0.933	34.4	35.	36.3	36.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.009	0.009	0.02	0.003	0.	0.005	0.003	0.005	0.01	0.019
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.003	0.001	0.	0.001	0.001	0.001	0.002	0.003
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.005	0.	0.	0.002	0.	0.001	0.004	0.005
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.004	0.007	0.001	0.	0.002	0.001	0.003	0.005	0.006
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.008	0.002	0.	0.002	0.002	0.002	0.007	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.4	0.595	4.5	0.1	0.393	0.627	0.2	0.3	0.8	1.
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	2.5	2.867	7.	1.5	1.432	1.197	1.88	2.	3.4	4.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0068

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	64	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	14	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	56	0	0.00	26	0	0.00	13	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	56	0	0.00	26	0	0.00	13	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	30	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.9	27.867	29.4	26.	1.765	1.329	26.	26.35	29.05	29.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	37.111	99.	10.	903.861	30.064	10.	12.5	60.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.667	10.	5.	6.25	2.5	5.	5.	10.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	2.	1.839	3.	0.8	0.346	0.588	0.8	1.5	2.	3.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54150.	54050.	54500.	53400.	230000.	479.583	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	7.8	7.556	8.5	6.	0.818	0.904	6.	6.75	8.25	8.5
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.7	35.28	36.1	33.3	1.322	1.15	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.2	0.871	4.5	0.1	2.619	1.618	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.	2.089	3.	1.5	0.309	0.556	1.5	1.65	2.5	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	28.25	27.917	29.6	26.1	1.83	1.353	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	42.5	35.833	50.	0.	384.167	19.6	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	5.	6.667	10.	5.	6.667	2.582	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	56.5	44.	64.	11.5	806.25	28.395	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	52500.	52416.667	53200.	51300.	429666.667	655.49	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	8.05	7.8	8.7	6.	1.	1.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	34.55	34.533	35.1	33.6	0.295	0.543	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.6	0.567	0.9	0.3	0.055	0.234	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.75	28.54	30.2	26.5	1.169	1.081	26.58	27.675	29.25	30.12
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	45.	51.5	95.	30.	522.5	22.858	30.	37.5	60.	94.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	10.	9.	15.	5.	15.556	3.944	5.	5.	11.25	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	61.	55.48	73.1	8.3	367.911	19.181	11.97	45.375	69.65	72.92
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	2.	2.145	2.5	1.75	0.071	0.267	1.775	2.	2.5	2.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	10	54500.	54500.	56200.	53700.	508888.889	713.364	53720.	53975.	54800.	56060.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	7.8	7.83	8.9	6.7	0.502	0.709	6.72	7.275	8.425	8.86
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	10	36.	35.99	36.6	35.6	0.105	0.325	35.6	35.675	36.225	36.57
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.7	0.656	1.2	0.3	0.108	0.328	0.3	0.3	0.9	1.2
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.	2.15	2.5	1.8	0.067	0.259	1.82	2.	2.5	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.45	28.11	29.6	26.5	1.552	1.246	26.51	26.825	29.35	29.59
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	35.	35.	65.	10.	266.667	16.33	11.	20.	46.25	63.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	6.25	6.15	10.	2.5	7.669	2.769	2.5	3.625	8.125	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	37.05	43.72	77.	23.8	278.842	16.699	24.5	31.775	55.	75.82
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	2.75	3.225	7.	1.8	2.576	1.605	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54500.	54044.444	56200.	51200.	2522777.778	1588.325	51200.	52850.	55350.	56200.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	7.55	7.81	9.7	6.8	0.914	0.956	6.8	6.95	8.4	9.63
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.744	37.4	33.6	1.395	1.181	33.6	34.85	36.6	37.4
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.	1.	1.7	0.2	0.26	0.51	0.2	0.6	1.45	1.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.5	3.03	7.	1.8	2.187	1.479	1.82	2.375	3.125	6.65

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.6	28.118	30.4	25.9	1.836	1.355	25.98	26.8	28.8	30.18
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	35.	40.556	75.	25.	309.028	17.579	25.	25.	52.5	75.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	8	5.	5.75	15.	0.5	19.786	4.448	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	75.6	73.667	79.6	56.	52.492	7.245	56.	71.8	78.05	79.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	2.675	2.748	4.	2.2	0.276	0.526	2.21	2.3	3.008	3.903
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54400.	54090.909	55000.	52400.	664909.091	815.42	52520.	53600.	54800.	54980.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	7.4	7.464	8.4	7.	0.201	0.448	7.02	7.1	7.5	8.36
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.	35.755	36.5	34.4	0.427	0.653	34.5	35.4	36.3	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.4	0.41	0.8	0.2	0.028	0.166	0.21	0.3	0.5	0.77
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.7	2.75	4.	2.2	0.274	0.523	2.21	2.3	3.	3.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.3	28.322	29.8	26.2	1.667	1.291	26.2	27.25	29.7	29.8
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	33.889	90.	5.	1111.111	33.333	5.	7.5	67.5	90.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	7.556	15.	5.	12.528	3.539	5.	5.	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	73.8	77.833	87.3	72.4	67.703	8.228	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.66	3.789	6.71	2.	2.196	1.482	2.	2.635	4.725	6.71
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54900.	54666.667	56100.	53000.	1127500.	1061.838	53000.	53600.	55500.	56100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.7	6.878	8.5	6.	0.509	0.714	6.	6.45	7.1	8.5
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.3	36.222	37.3	35.	0.609	0.781	35.	35.45	36.8	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.344	0.6	0.2	0.018	0.133	0.2	0.25	0.45	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.7	3.844	6.7	2.4	2.045	1.43	2.4	2.6	4.75	6.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.3	28.011	29.2	26.5	0.796	0.892	26.5	27.2	28.65	29.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	10.	32.222	100.	5.	1594.444	39.93	5.	5.	70.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	7.	7.556	15.	0.	23.528	4.851	0.	4.	11.5	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	78.7	76.956	82.4	62.	36.09	6.008	62.	76.1	80.3	82.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.94	3.971	5.45	1.82	1.42	1.192	1.82	3.16	5.15	5.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.778	56.	51.	2.694	1.641	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	7.	6.944	7.3	6.5	0.078	0.279	6.5	6.7	7.2	7.3
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.8	35.467	36.9	33.7	1.21	1.1	33.7	34.5	36.35	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.389	0.6	0.2	0.016	0.127	0.2	0.3	0.5	0.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.9	3.989	5.5	1.8	1.471	1.213	1.8	3.2	5.2	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.	28.829	30.4	26.9	0.759	0.871	27.42	28.2	29.5	29.8
00032	CLOUD COVER (PERCENT)	30	40.	44.8	100.	5.	969.476	31.136	10.	18.75	67.5	98.6
00035	WIND VELOCITY (MILES PER HOUR)	30	5.	6.667	15.	0.	14.695	3.833	2.5	4.75	10.	14.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	30	2.5	2.899	7.	0.8	1.966	1.402	1.802	2.	3.535	5.301
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54000.	46803.8	56100.	51.	349048642.303	18682.844	55.	52450.	54525.	55460.
00300	OXYGEN, DISSOLVED MG/L	31	7.	7.048	8.5	6.	0.412	0.642	6.04	6.7	7.4	8.18
00406	PH, FIELD, STANDARD UNITS SU	26	7.825	7.772	8.27	7.25	0.105	0.324	7.367	7.4	8.032	8.183
00406	CONVERTED PH, FIELD, STANDARD UNITS	26	7.825	7.66	8.27	7.25	0.118	0.344	7.367	7.4	8.032	8.183
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	26	0.015	0.022	0.056	0.005	0.	0.016	0.007	0.009	0.04	0.043
00480	SALINITY - PARTS PER THOUSAND	30	35.9	35.653	37.3	33.6	0.842	0.918	33.77	35.25	36.2	36.77
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	0.5	0.75	4.5	0.2	0.678	0.824	0.2	0.3	0.925	1.57
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	2.5	2.98	7.	1.5	1.822	1.35	1.82	2.	3.525	5.35

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	14	26.5	26.521	28.3	25.9	0.336	0.579	25.95	26.175	26.65	27.55
00032	CLOUD COVER (PERCENT)	14	27.5	28.571	60.	5.	286.264	16.919	7.5	13.75	36.25	60.
00035	WIND VELOCITY (MILES PER HOUR)	13	5.	7.308	15.	5.	9.856	3.139	5.	5.	10.	13.
00078	TRANSPARENCY, SECCHI DISC (METERS)	12	2.15	2.641	4.27	2.	0.704	0.839	2.	2.	3.27	4.189
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12	53250.	44875.667	55000.	53.	439158211.697	20956.102	53.6	52475.	54750.	54970.
00300	OXYGEN, DISSOLVED MG/L	14	7.55	7.7	9.	6.8	0.449	0.67	6.85	7.1	8.4	8.7
00406	PH, FIELD, STANDARD UNITS SU	13	7.78	7.828	8.43	7.41	0.101	0.318	7.422	7.52	8.055	8.35
00406	CONVERTED PH, FIELD, STANDARD UNITS	13	7.78	7.732	8.43	7.41	0.111	0.334	7.422	7.52	8.055	8.35
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	13	0.017	0.019	0.039	0.004	0.	0.012	0.005	0.009	0.03	0.038
00480	SALINITY - PARTS PER THOUSAND	13	35.2	35.423	36.5	33.3	0.94	0.97	33.74	34.85	36.25	36.46
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	13	0.4	0.454	1.	0.2	0.078	0.279	0.2	0.25	0.6	1.
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	14	2.35	2.614	4.3	2.	0.612	0.782	2.	2.	3.1	4.15

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.5	28.216	29.4	26.4	0.568	0.754	27.	27.6	28.8	28.9
00032	CLOUD COVER (PERCENT)	18	40.	35.	85.	0.	482.353	21.963	4.5	18.75	50.	62.5
00035	WIND VELOCITY (MILES PER HOUR)	18	7.5	7.694	15.	0.5	13.445	3.667	4.55	5.	10.	13.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	19	2.5	2.866	5.49	1.5	1.471	1.213	1.75	2.	3.	5.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	53950.	44185.125	56200.	52.	480641627.717	21923.54	53.4	52350.	55100.	56200.
00300	OXYGEN, DISSOLVED MG/L	19	8.1	7.968	9.7	6.5	0.591	0.769	7.	7.4	8.5	8.9
00406	PH, FIELD, STANDARD UNITS SU	17	7.8	7.834	8.66	7.34	0.204	0.452	7.38	7.42	8.23	8.452
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.8	7.654	8.66	7.34	0.239	0.489	7.38	7.42	8.23	8.452
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.016	0.022	0.046	0.002	0.	0.017	0.004	0.006	0.038	0.042
00480	SALINITY - PARTS PER THOUSAND	16	35.9	35.85	37.4	34.	0.897	0.947	34.28	35.1	36.675	37.05
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.4	0.419	0.9	0.1	0.047	0.217	0.1	0.3	0.575	0.76
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	2.5	2.874	5.5	1.5	1.484	1.218	1.8	2.	3.	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0069

NPS Station ID: VIIS0069
 Location: CHOCOLATE HOLE
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.318059/ -64.786392

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-57 /STJ-7 /STJ46(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0069

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	2	29.05	29.05	29.1	29.	0.005	0.071	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	3	6.1	6.2	7.	5.5	0.57	0.755	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.6	33.6	33.8	33.4	0.08	0.283	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	24.	24.	24.	24.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.105	0.105	0.2	0.01	0.018	0.134	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.014	0.014	0.017	0.01	0.	0.005	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	4.	4.	5.4	2.6	3.92	1.98	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	11/15/72-11/09/79	3	2.	117.333	350.	0.	40601.333	201.498	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,	11/15/72-11/09/79	3	0.301	0.948	2.544	0.	1.932	1.39	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			8.879								
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	2	21.5	21.5	43.	0.	924.5	30.406	**	**	**	**
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/09/79	2	0.817	0.817	1.633	0.	1.334	1.155	**	**	**	**
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			6.557								
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0069

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-12/14	12/15-3/14	3/15-6/30	n/a
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00	
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00	
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00	
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00	

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0070

NPS Station ID: VIIS0070
 Location: CANEEL BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.345837/ -64.787504

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-71 /STJ-21 /STJ54(VIHD)
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0070

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.6	28.5	29.	27.9	0.31	0.557	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.55	6.6	6.9	6.4	0.047	0.216	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.55	33.55	33.7	33.4	0.045	0.212	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	9.	9.	14.	4.	50.	7.071	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.034	0.034	0.058	0.01	0.001	0.034	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.2	0.207	0.25	0.17	0.002	0.04	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.017	0.114	0.31	0.015	0.029	0.17	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	2.8	2.8	3.3	2.3	0.5	0.707	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	2 ##	20.5	20.5	40.	1.	760.5	27.577	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	2 ##	9.25	9.25	15.	3.5	66.125	8.132	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	40.	40.	70.	10.	1800.	42.426	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	61.	61.	120.	2.	6962.	83.439	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/18/72	1	370.	370.	370.	370.	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	130.	147.5	330.	0.	29825.	172.699	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	1.207	1.233	2.519	0.	2.03	1.425	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			17.115								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	30.5	30.5	51.	10.	840.5	28.991	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	1.354	1.354	1.708	1.	0.25	0.5	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			22.583								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	1.55	1.55	3.	0.1	4.205	2.051	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0070

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.
						4 0 0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0070

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	2.9	1 &	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	1	0.50	2	1	0.50									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	0	0.00	4	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	1	0.50	2	1	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0071

NPS Station ID: VIIS0071
 Location: CANEEL BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.342809/ -64.787615

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_CABA01
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.7	27.391	29.3	25.5	1.265	1.125	25.8	26.4	28.5	28.8
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	30.	43.258	100.	2.	878.902	29.646	10.	20.	70.	95.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	5.	5.803	12.5	0.	12.33	3.511	0.85	3.	10.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	49	79.9	77.459	96.9	0.8	178.08	13.345	68.	74.2	84.6	87.6
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	62	3.5	3.717	12.	2.5	1.511	1.229	3.	3.	4.	4.466
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54150.	46119.717	56500.	51.	381726780.003	19537.829	54.1	52725.	54800.	55200.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.2	6.283	7.4	5.7	0.107	0.327	5.97	6.075	6.5	6.63
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	65	7.71	7.734	8.84	7.23	0.111	0.333	7.356	7.4	8.02	8.178
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	65	7.71	7.626	8.84	7.23	0.122	0.35	7.356	7.4	8.02	8.178
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	65	0.019	0.024	0.059	0.001	0.	0.015	0.007	0.01	0.04	0.044
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.	35.78	37.4	33.2	0.799	0.894	34.36	35.55	36.35	36.7
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.014	0.019	0.053	0.002	0.	0.017	0.003	0.005	0.034	0.049
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.005	0.	0.	0.001	0.	0.	0.001	0.004
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.002	0.01	0.	0.	0.003	0.	0.	0.002	0.008
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.003	0.01	0.001	0.	0.003	0.001	0.001	0.004	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.006	0.017	0.002	0.	0.004	0.002	0.003	0.007	0.014
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	57	0.3	0.332	0.9	0.01	0.042	0.205	0.18	0.2	0.4	0.7
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	3.5	3.731	12.	2.5	1.441	1.2	3.	3.	4.	4.42

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0071

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	65	0	0.00	31	0	0.00	16	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	65	0	0.00	31	0	0.00	16	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	57	0	0.00	27	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.7	27.189	28.5	25.6	1.401	1.184	25.6	25.8	28.25	28.5
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	55.333	99.	10.	1387.	37.242	10.	22.5	97.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.111	10.	5.	4.861	2.205	5.	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.	3.389	5.	3.	0.486	0.697	3.	3.	3.75	5.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54300.	54275.	54700.	53800.	135833.333	368.556	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	6.178	6.5	5.7	0.067	0.259	5.7	6.05	6.45	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	7.71	7.703	8.25	7.23	0.076	0.276	7.23	7.54	7.82	8.25
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	7.71	7.629	8.25	7.23	0.083	0.287	7.23	7.54	7.82	8.25
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.019	0.023	0.059	0.006	0.	0.015	0.006	0.015	0.029	0.059
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.9	35.38	36.2	33.2	1.532	1.238	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.3	0.357	0.9	0.1	0.073	0.27	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	3.389	5.	3.	0.486	0.697	3.	3.	3.75	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	7	26.9	26.886	28.5	25.5	1.088	1.043	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	7	30.	37.429	90.	12.	772.952	27.802	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	7	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	6	75.65	65.067	83.2	0.8	1007.231	31.737	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	7	3.5	3.286	4.	2.5	0.238	0.488	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	7	52700.	52771.429	53900.	52100.	399047.619	631.702	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	7	6.1	6.171	6.6	5.8	0.092	0.304	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	7	7.39	7.494	7.92	7.26	0.051	0.226	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	7	7.39	7.452	7.92	7.26	0.053	0.231	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	7	0.041	0.035	0.055	0.012	0.	0.014	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	7	34.7	34.771	35.6	34.3	0.212	0.461	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.2	0.198	0.3	0.09	0.008	0.092	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	7	3.5	3.357	4.	3.	0.143	0.378	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.3	27.764	29.3	25.8	1.643	1.282	25.8	26.4	28.8	29.24
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	50.	50.909	95.	25.	579.091	24.064	25.	30.	70.	92.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	11	5.	6.818	10.	0.	11.364	3.371	1.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	11	78.	76.127	87.	61.5	82.382	9.076	61.92	68.	85.	86.66
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	11	3.5	3.545	4.	2.5	0.223	0.472	2.6	3.5	4.	4.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54700.	54572.727	55500.	53300.	356181.818	596.81	53460.	54100.	55000.	55440.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.3	6.282	6.5	5.9	0.038	0.194	5.94	6.1	6.5	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	11	7.38	7.38	7.41	7.34	0.001	0.026	7.342	7.35	7.41	7.41
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	11	7.38	7.379	7.41	7.34	0.001	0.026	7.342	7.35	7.41	7.41
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	11	0.042	0.042	0.046	0.039	0.	0.003	0.039	0.039	0.045	0.046
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.2	36.136	36.8	35.2	0.203	0.45	35.32	35.8	36.5	36.78
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.6	0.533	0.9	0.1	0.063	0.25	0.1	0.35	0.7	0.9
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	11	3.5	3.545	4.	2.5	0.223	0.472	2.6	3.5	4.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.5	27.44	28.8	26.1	1.118	1.057	26.1	26.4	28.6	28.78
00032	CLOUD COVER (PERCENT)	10	52.5	52.3	98.	5.	1014.011	31.844	5.5	21.25	82.5	97.2
00035	WIND VELOCITY (MILES PER HOUR)	10	3.75	3.2	5.	0.	4.344	2.084	0.	1.5	5.	5.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	72.85	72.76	80.	67.3	14.683	3.832	67.38	69.9	75.2	79.58
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	3.5	4.75	12.	3.	10.646	3.263	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54500.	54044.444	55800.	51200.	2182777.778	1477.423	51200.	52850.	55150.	55800.
00300	OXYGEN, DISSOLVED MG/L	10	6.65	6.58	7.4	5.8	0.351	0.592	5.81	5.975	7.125	7.38
00406	PH, FIELD, STANDARD UNITS SU	10	7.49	7.538	7.85	7.35	0.033	0.181	7.354	7.39	7.725	7.845
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.49	7.507	7.85	7.35	0.034	0.184	7.354	7.39	7.725	7.845
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.032	0.031	0.045	0.014	0.	0.011	0.014	0.019	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	9	36.1	35.744	37.	33.6	1.17	1.082	33.6	34.9	36.55	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.4	0.467	0.8	0.2	0.045	0.212	0.2	0.3	0.7	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.75	4.43	12.	3.	7.449	2.729	3.	3.	4.2	11.28

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.7	27.464	28.9	25.9	1.219	1.104	25.92	26.5	28.6	28.88
00032	CLOUD COVER (PERCENT)	11	30.	43.182	95.	20.	611.364	24.726	21.	30.	70.	91.
00035	WIND VELOCITY (MILES PER HOUR)	11	3.	5.455	12.5	0.5	19.823	4.452	0.6	2.5	10.	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	82.8	82.24	88.1	74.5	23.656	4.864	74.71	78.025	86.475	88.05
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	3.565	3.538	4.25	2.5	0.375	0.612	2.55	3.	4.213	4.25
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54200.	54454.545	56500.	54000.	536727.273	732.617	54000.	54000.	54600.	56160.
00300	OXYGEN, DISSOLVED MG/L	11	6.4	6.345	6.8	6.	0.049	0.221	6.02	6.2	6.5	6.74
00406	PH, FIELD, STANDARD UNITS SU	11	7.96	7.932	8.25	7.59	0.038	0.195	7.602	7.8	8.06	8.214
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.96	7.89	8.25	7.59	0.04	0.2	7.602	7.8	8.06	8.214
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.011	0.013	0.026	0.006	0.	0.006	0.006	0.009	0.016	0.025
00480	SALINITY - PARTS PER THOUSAND	11	35.9	35.973	36.7	35.6	0.1	0.317	35.62	35.7	36.2	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	8	0.25	0.275	0.4	0.2	0.008	0.089	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.55	3.55	4.3	2.5	0.389	0.624	2.55	3.	4.225	4.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.1	27.378	28.8	25.7	1.619	1.273	25.7	26.15	28.65	28.8
00032	CLOUD COVER (PERCENT)	9	30.	31.889	70.	2.	553.361	23.524	2.	12.5	52.5	70.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	5.889	10.	0.	14.361	3.79	0.	2.5	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	89.3	87.533	96.9	76.4	107.403	10.364	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.66	3.726	5.49	3.05	0.553	0.744	3.05	3.2	3.96	5.49
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	55000.	54944.444	55600.	53900.	245277.778	495.255	53900.	54700.	55300.	55600.
00300	OXYGEN, DISSOLVED MG/L	9	6.	6.167	6.5	6.	0.045	0.212	6.	6.	6.4	6.5
00406	PH, FIELD, STANDARD UNITS SU	8	7.89	7.915	8.19	7.71	0.027	0.164	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	8	7.888	7.889	8.19	7.71	0.028	0.166	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	8	0.013	0.013	0.019	0.006	0.	0.005	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	9	36.4	36.411	37.	35.6	0.171	0.414	35.6	36.15	36.7	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.2	0.212	0.3	0.01	0.008	0.09	0.01	0.2	0.3	0.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	3.7	3.767	5.5	3.1	0.535	0.731	3.1	3.25	4.	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.7	27.4	28.7	25.8	1.14	1.068	25.8	26.2	28.25	28.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	27.778	100.	5.	1200.694	34.651	5.	7.5	45.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	8.	7.556	12.5	0.5	20.778	4.558	0.5	2.75	12.	12.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	9	83.6	83.9	88.8	79.8	7.48	2.735	79.8	81.95	85.6	88.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.94	3.98	4.85	3.33	0.242	0.492	3.33	3.64	4.41	4.85
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.667	56.	51.	3.	1.732	51.	52.	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.189	6.5	6.	0.021	0.145	6.	6.1	6.25	6.5
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.13	8.198	8.84	8.01	0.062	0.249	8.01	8.065	8.19	8.84
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.13	8.154	8.84	8.01	0.064	0.253	8.01	8.065	8.19	8.84
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.007	0.01	0.001	0.	0.002	0.001	0.006	0.009	0.01
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.8	35.522	37.4	33.5	1.604	1.267	33.5	34.35	36.4	37.4
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.233	0.3	0.2	0.002	0.05	0.2	0.2	0.3	0.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.9	3.978	4.9	3.3	0.279	0.529	3.3	3.6	4.45	4.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.29	29.3	26.7	0.389	0.624	27.2	27.9	28.8	28.88
00032	CLOUD COVER (PERCENT)	31	30.	39.903	100.	5.	918.157	30.301	6.	20.	60.	97.4
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	5.258	12.5	0.	12.348	3.514	0.1	2.5	8.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	30	3.65	4.038	12.	2.5	2.737	1.654	3.	3.2	4.213	4.985
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54150.	46953.767	55600.	51.	350920869.84	18732.882	54.1	52925.	54700.	55190.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.142	6.6	5.8	0.042	0.205	5.9	6.	6.2	6.5
00406	PH, FIELD, STANDARD UNITS SU	31	7.8	7.75	8.25	7.26	0.09	0.299	7.354	7.41	8.03	8.176
00406	CONVERTED PH, FIELD, STANDARD UNITS	31	7.8	7.654	8.25	7.26	0.099	0.315	7.354	7.41	8.03	8.176
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	31	0.016	0.022	0.055	0.006	0.	0.015	0.007	0.009	0.039	0.044
00480	SALINITY - PARTS PER THOUSAND	30	35.95	35.75	37.	33.6	0.657	0.811	34.33	35.6	36.2	36.59
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	27	0.3	0.359	0.9	0.2	0.044	0.21	0.2	0.2	0.4	0.72
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.65	4.05	12.	2.5	2.739	1.655	3.	3.25	4.225	4.99

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.85	25.919	26.5	25.5	0.079	0.281	25.57	25.725	26.075	26.5
00032	CLOUD COVER (PERCENT)	16	30.	41.	99.	5.	851.6	29.182	9.9	21.25	67.5	92.7
00035	WIND VELOCITY (MILES PER HOUR)	16	5.	6.375	12.	0.	13.95	3.735	1.75	3.5	10.	12.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	3.5	3.491	4.27	2.5	0.23	0.48	2.75	3.038	3.84	4.135
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53950.	46514.929	56500.	54.	388311986.225	19705.633	54.5	53050.	54800.	55700.
00300	OXYGEN, DISSOLVED MG/L	16	6.4	6.469	7.2	6.1	0.108	0.328	6.1	6.225	6.575	7.13
00406	PH, FIELD, STANDARD UNITS SU	16	7.725	7.708	8.17	7.23	0.086	0.293	7.321	7.425	7.95	8.142
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.725	7.619	8.17	7.23	0.094	0.307	7.321	7.425	7.95	8.142
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.019	0.024	0.059	0.007	0.	0.016	0.007	0.011	0.038	0.048
00480	SALINITY - PARTS PER THOUSAND	15	35.8	35.66	36.7	33.2	0.773	0.879	34.1	35.2	36.2	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.3	0.356	0.7	0.09	0.038	0.196	0.145	0.2	0.525	0.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	3.6	3.594	4.3	3.	0.178	0.422	3.	3.15	4.	4.09

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.1	27.163	28.3	25.8	0.481	0.694	26.4	26.6	27.7	28.2
00032	CLOUD COVER (PERCENT)	19	50.	50.632	95.	2.	852.579	29.199	15.	25.	75.	95.
00035	WIND VELOCITY (MILES PER HOUR)	19	5.	6.211	12.5	0.5	11.342	3.368	2.	5.	10.	12.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.34	3.359	4.25	2.5	0.217	0.465	2.95	3.	3.715	4.025
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54450.	44210.063	55800.	51.	481047642.196	21932.798	53.1	52250.	55175.	55590.
00300	OXYGEN, DISSOLVED MG/L	19	6.3	6.358	7.4	5.7	0.156	0.395	5.8	6.1	6.5	7.
00406	PH, FIELD, STANDARD UNITS SU	18	7.57	7.73	8.84	7.35	0.182	0.426	7.35	7.387	8.065	8.309
00406	CONVERTED PH, FIELD, STANDARD UNITS	18	7.563	7.589	8.84	7.35	0.203	0.45	7.35	7.387	8.065	8.309
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	18	0.027	0.026	0.045	0.001	0.	0.016	0.005	0.009	0.041	0.045
00480	SALINITY - PARTS PER THOUSAND	16	36.3	35.95	37.4	33.5	1.156	1.075	34.06	35.025	36.675	37.12
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.263	0.9	0.01	0.041	0.202	0.073	0.125	0.3	0.55
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	3.3	3.342	4.3	2.5	0.216	0.465	3.	3.	3.6	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0072

NPS Station ID: VIIS0072

Location: CANEEL BAY AT END OF DOCK 3/3.5 METERS

Station Type: /TYP/A/AMBNT/OCEAN

RMI-Indexes:

RMI-Miles:

HUC: 21020001

Major Basin: VIRGIN ISLANDS

Minor Basin: ST. JOHN

RF1 Index: 21020001

RF3 Index:

Description:

LAT/LON: 18.344726/ -64.787781

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 21V1

FIPS State/County: 78003 VIRGIN ISLANDS/

STORET Station ID(s): STJ-54

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

Date Created: 10/08/83

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: VIIS0072

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: VIIS0073

NPS Station ID: VIIS0073 Location: CANEEL BAY AT END OF DOCK Station Type: /TYP/A/AMBNT/OCEAN RMI-Indexes: RMI-Miles: HUC: 21020001 Major Basin: ST JOHN Minor Basin: DEPTH 3/3.5 METERS RF1 Index: 21020001 RF3 Index: Description:	LAT/LON: 18.344726/ -64.787781 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.000 RF3 Mile Point: 0.00	Agency: 21V1 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN STORET Station ID(s): 54 /STJ54 Within Park Boundary: Yes Aquifer: Water Body Id: ECO Region: Distance from RF1: 0.00 Distance from RF3: 0.00
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Date Created: 11/02/78

 On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	48	27.15	27.075	29.1	24.	1.973	1.405	25.	26.	28.45	28.62
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	41	0.3	0.385	1.5	0.1	0.082	0.286	0.2	0.2	0.45	0.68
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-06/20/86	49	2.	1.837	3.5	0.	2.744	1.656	0.	0.	3.5	3.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-09/26/79	20	6.45	6.43	7.1	6.	0.074	0.272	6.11	6.2	6.5	6.96
00300	OXYGEN, DISSOLVED MG/L	01/03/73-03/18/86	28	6.55	6.475	7.1	6.	0.087	0.295	6.1	6.2	6.7	6.9
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	40	8.2	8.219	8.4	8.	0.009	0.095	8.1	8.2	8.3	8.345
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	40	8.2	8.209	8.4	8.	0.009	0.095	8.1	8.2	8.3	8.345
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	40	0.006	0.006	0.01	0.004	0.	0.001	0.005	0.005	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-03/18/86	47	35.8	35.821	38.5	34.1	0.757	0.87	34.7	35.4	36.2	36.82
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/18/86-03/18/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/18/86-03/18/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	47	0.	1.202	22.	0.	15.322	3.914	0.	0.	0.5	3.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	47	0.	0.056	1.342	-0.301	0.111	0.333	0.	0.	-0.301	0.477
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.136								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/12/84-03/18/86	7	0.2	0.243	0.4	0.2	0.006	0.079	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

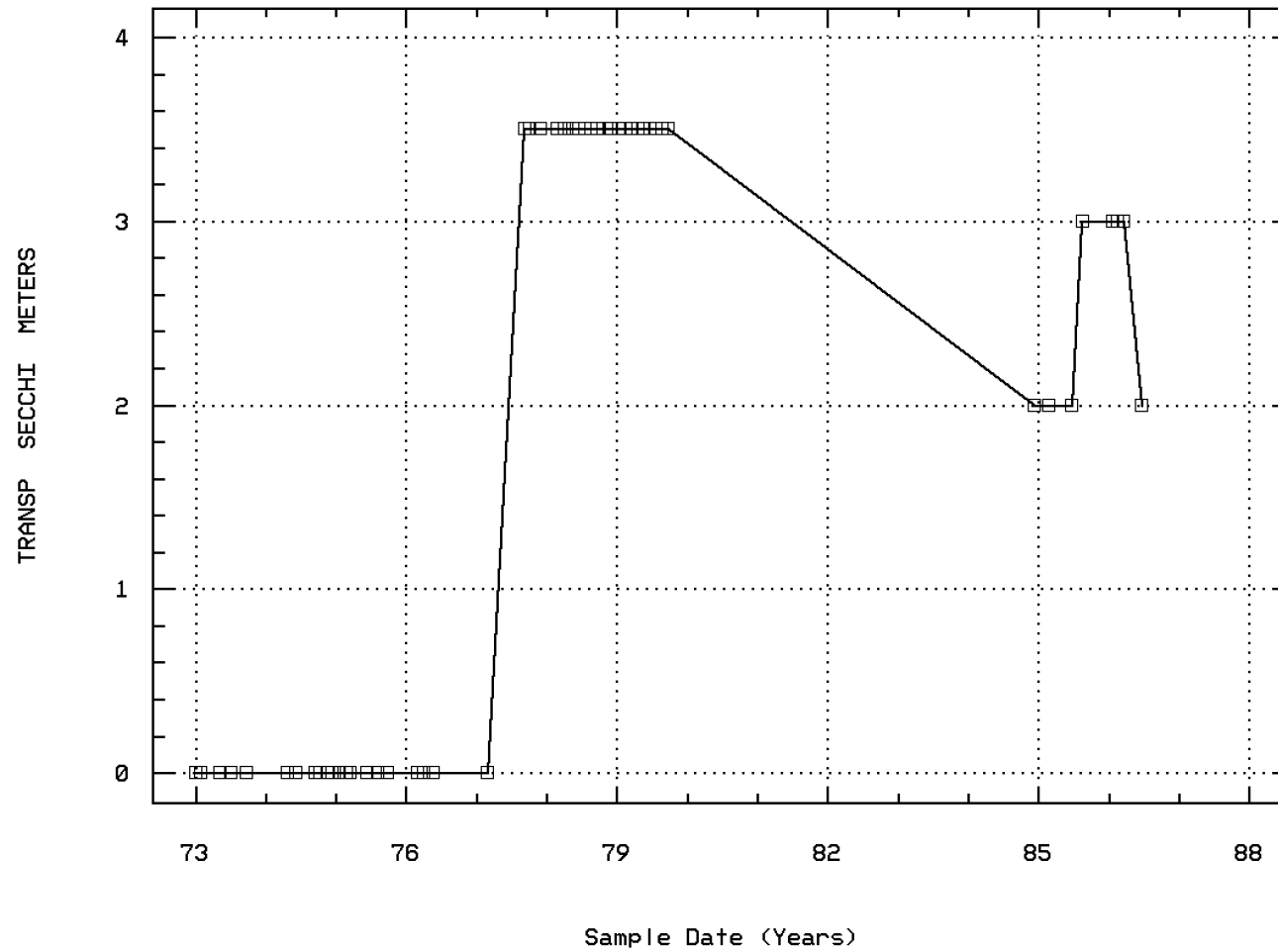
EPA Water Quality Criteria Analysis for Station: VIIS0073

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	41	0	0.00	19	0	0.00	9	0	0.00	13	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	20	0	0.00	11	0	0.00	2	0	0.00	7	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	28	0	0.00	10	0	0.00	10	0	0.00	8	0	0.00		
00400	PH	Other-Hi Lim.	9.	40	0	0.00	18	0	0.00	9	0	0.00	13	0	0.00		
		Other-Lo Lim.	6.5	40	0	0.00	18	0	0.00	9	0	0.00	13	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	47	0	0.00	20	0	0.00	12	0	0.00	15	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	7	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0073 Parameter Code: 00078

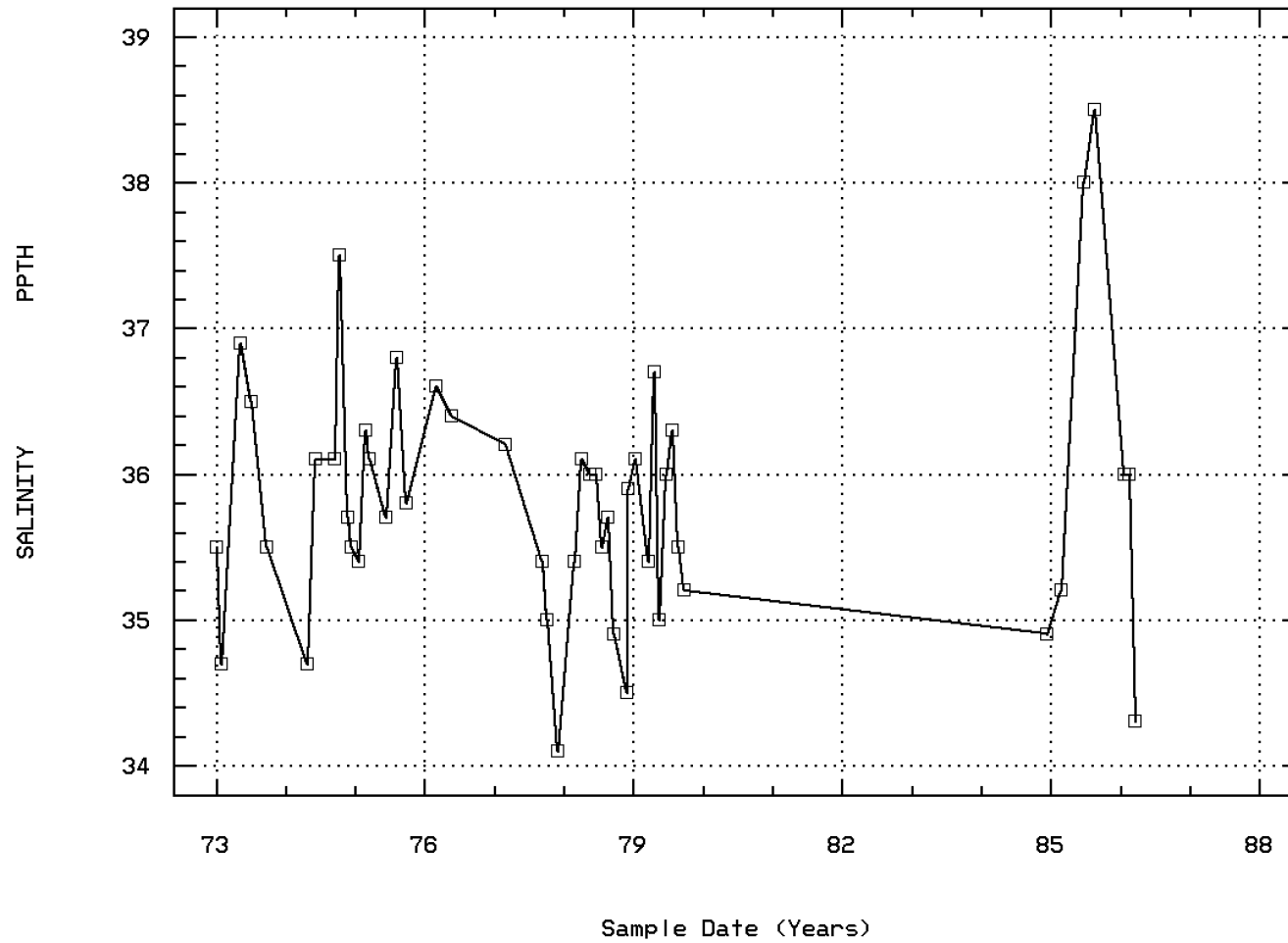
TRANSPARENCY, SECCHI DISC (METERS)



CANEEL BAY AT END OF DOCK

Station: VIIS0073 Parameter Code: 00480

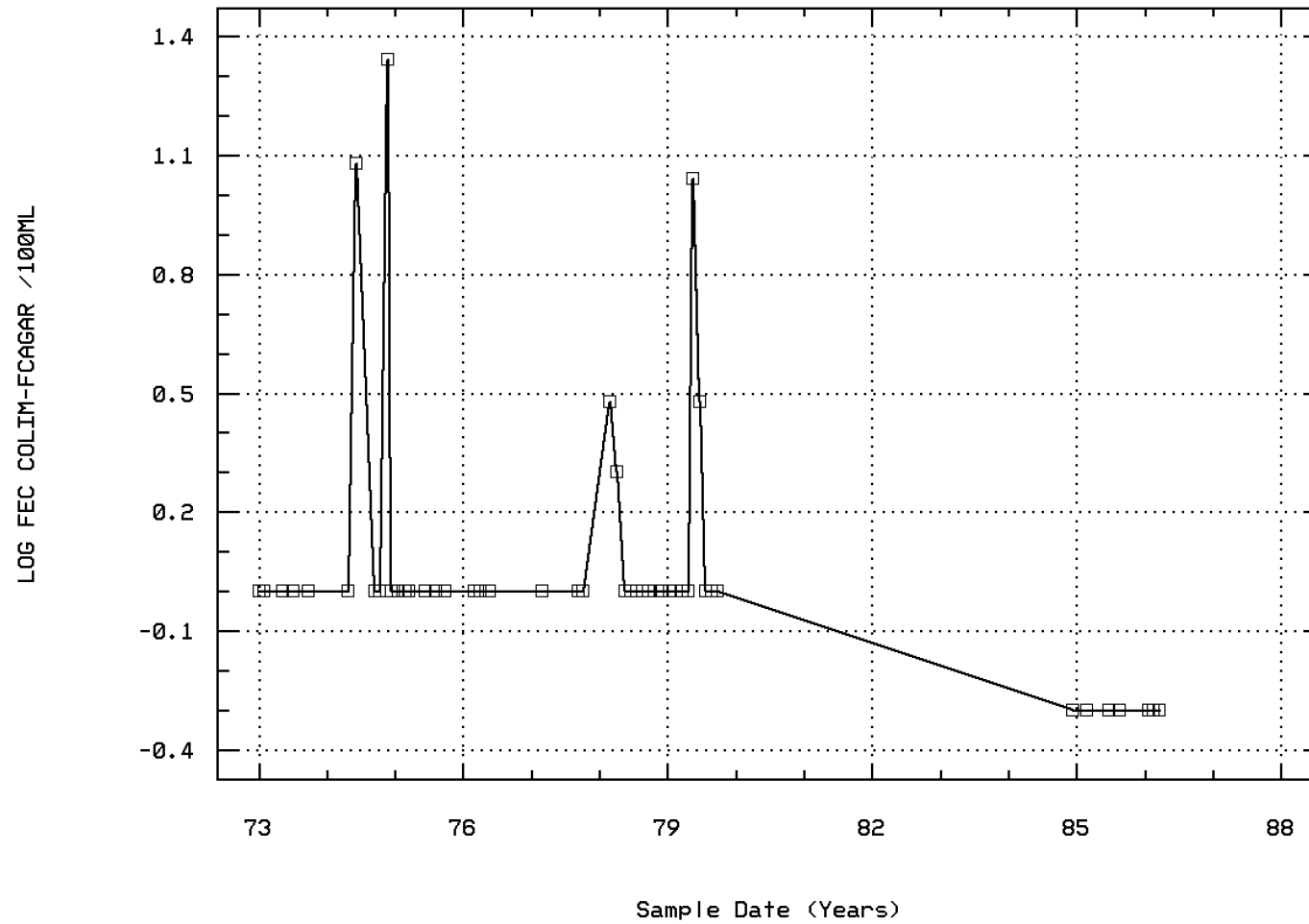
SALINITY - PARTS PER THOUSAND



CANEEL BAY AT END OF DOCK

Station: VIIS0073 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CANEEL BAY AT END OF DOCK

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	21	28.5	28.062	29.1	26.	0.79	0.889	26.2	27.65	28.55	28.96
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	19	0.3	0.3	0.5	0.1	0.012	0.111	0.2	0.2	0.4	0.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-06/20/86	21	3.5	2.071	3.5	0.	2.882	1.698	0.	0.	3.5	3.5
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	18	8.2	8.206	8.35	8.1	0.006	0.076	8.1	8.137	8.262	8.305
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	18	8.2	8.199	8.35	8.1	0.006	0.077	8.1	8.137	8.262	8.305
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	18	0.006	0.006	0.008	0.004	0.	0.001	0.005	0.005	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-03/18/86	21	35.5	35.752	38.5	34.1	0.986	0.993	34.58	35.1	36.2	37.36
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	20	0.	1.15	22.	0.	24.108	4.91	0.	0.	0.	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	20	0.	0.037	1.342	-0.301	0.103	0.321	0.	0.	0.	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.089								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	12	25.25	25.458	27.	24.	0.654	0.808	24.3	25.	26.1	26.85
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	9	0.3	0.344	0.7	0.2	0.035	0.188	0.2	0.2	0.5	0.7
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-06/20/86	12	0.	1.25	3.5	0.	2.523	1.588	0.	0.	3.	3.5
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	9	8.2	8.244	8.4	8.	0.02	0.142	8.	8.15	8.4	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	9	8.2	8.223	8.4	8.	0.021	0.144	8.	8.15	8.4	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	9	0.006	0.006	0.01	0.004	0.	0.002	0.004	0.004	0.007	0.01
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-03/18/86	12	36.	35.792	36.6	34.7	0.299	0.547	34.85	35.4	36.175	36.51
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	12	0.	0.375	3.	0.	0.733	0.856	0.	0.	0.5	2.25
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	12	0.	-0.035	0.477	-0.301	0.044	0.21	0.	0.	-0.301	0.244
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.922								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

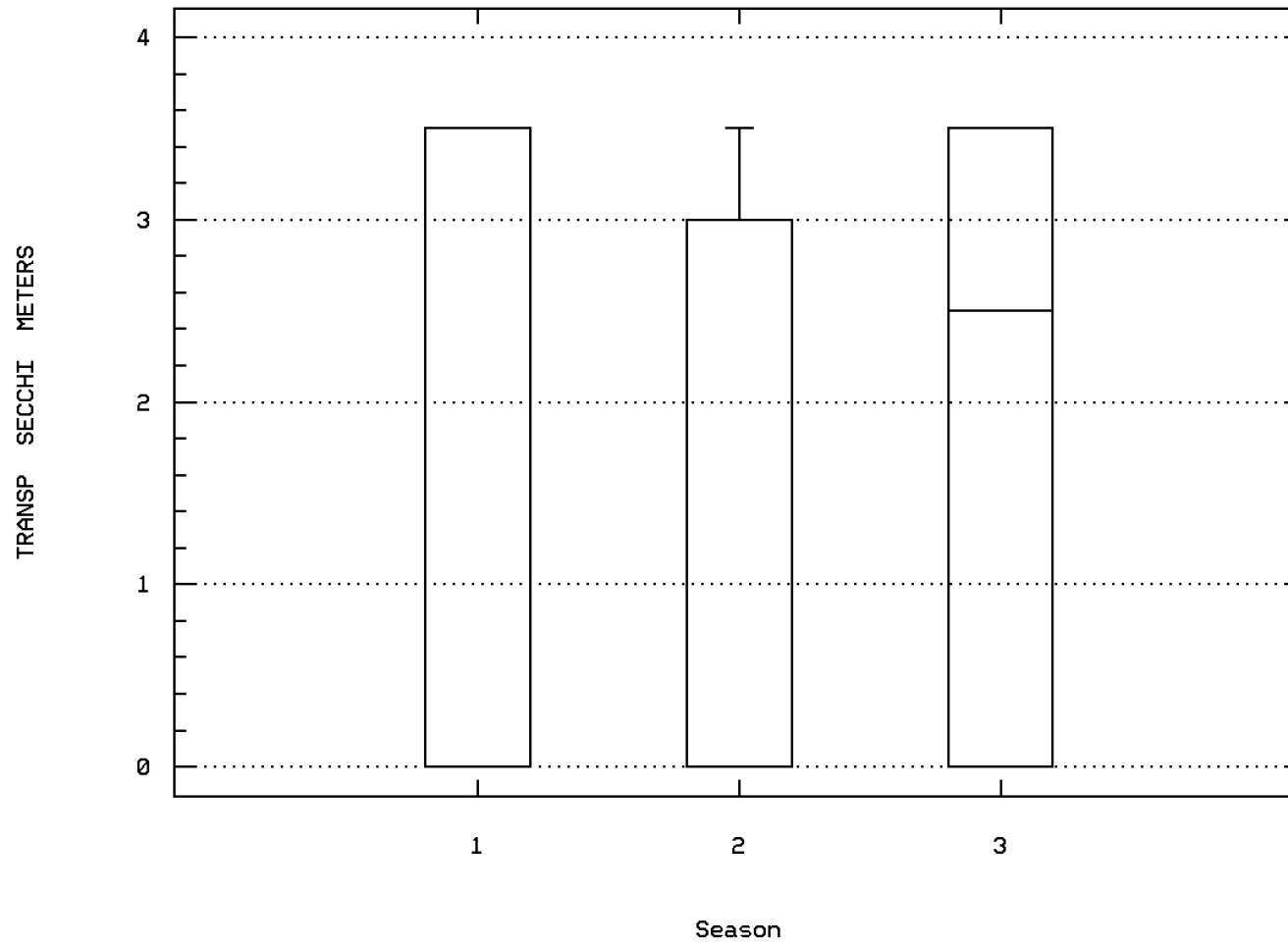
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-03/18/86	15	27.1	26.987	28.5	24.1	1.273	1.128	25.24	26.2	28.	28.38
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	13	0.4	0.538	1.5	0.1	0.193	0.439	0.14	0.25	0.65	1.46
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-06/20/86	16	2.5	1.969	3.5	0.	2.716	1.648	0.	0.	3.5	3.5
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	13	8.25	8.219	8.3	8.	0.006	0.08	8.06	8.2	8.275	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	13	8.25	8.212	8.3	8.	0.007	0.081	8.06	8.2	8.275	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	13	0.006	0.006	0.01	0.005	0.	0.001	0.005	0.005	0.006	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-03/18/86	14	36.	35.95	38.	34.3	0.883	0.94	34.5	35.3	36.475	37.45
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/03/73-03/18/86	15	0.	1.933	12.	0.	15.888	3.986	0.	0.	2.	11.4
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/03/73-03/18/86	15	0.	0.153	1.079	-0.301	0.171	0.414	0.	0.	0.301	1.057
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.423								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0073 Parameter Code: 00078

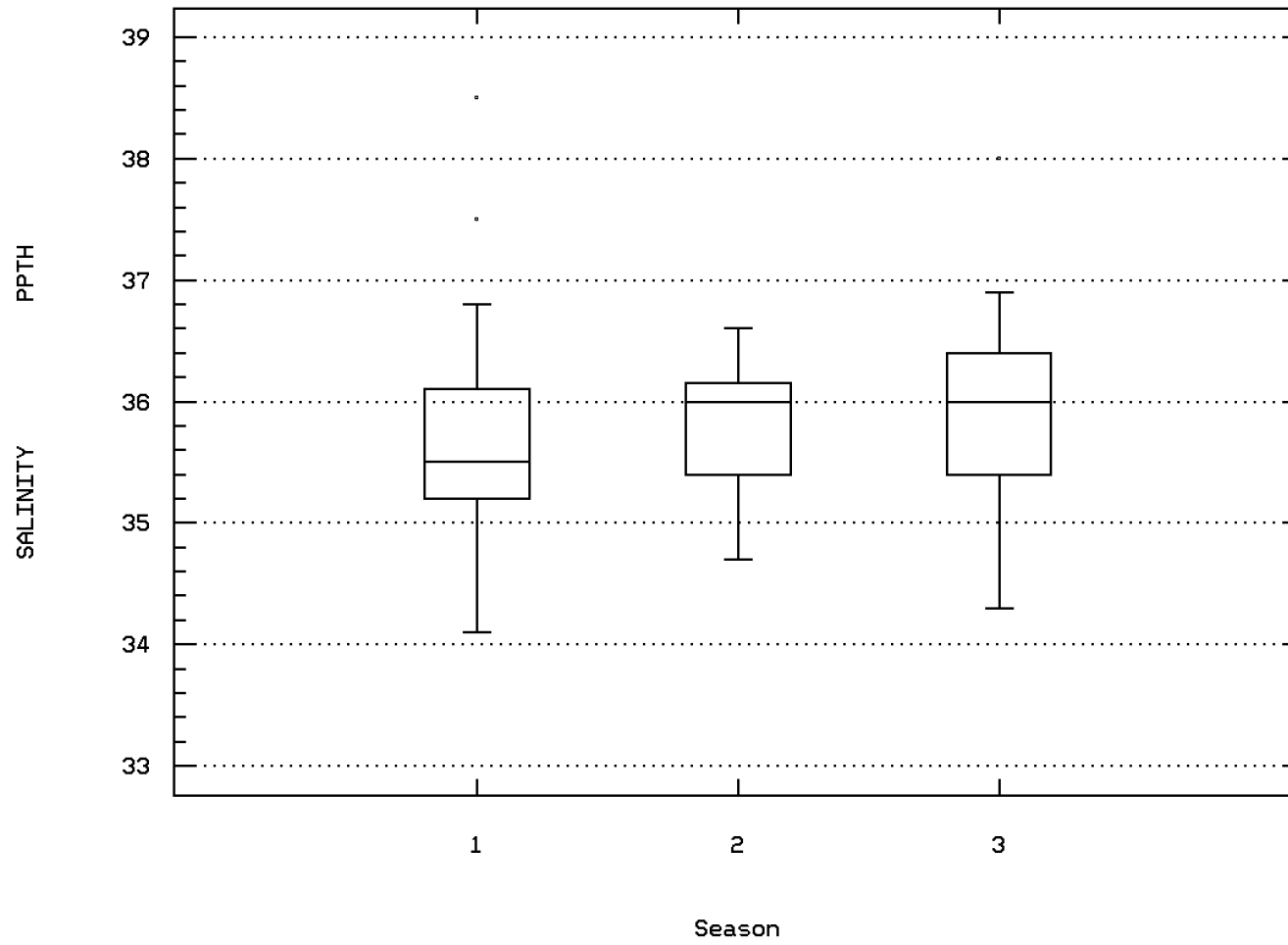
TRANSPARENCY, SECCHI DISC (METERS)



CANEEL BAY AT END OF DOCK

Station: VIIS0073 Parameter Code: 00480

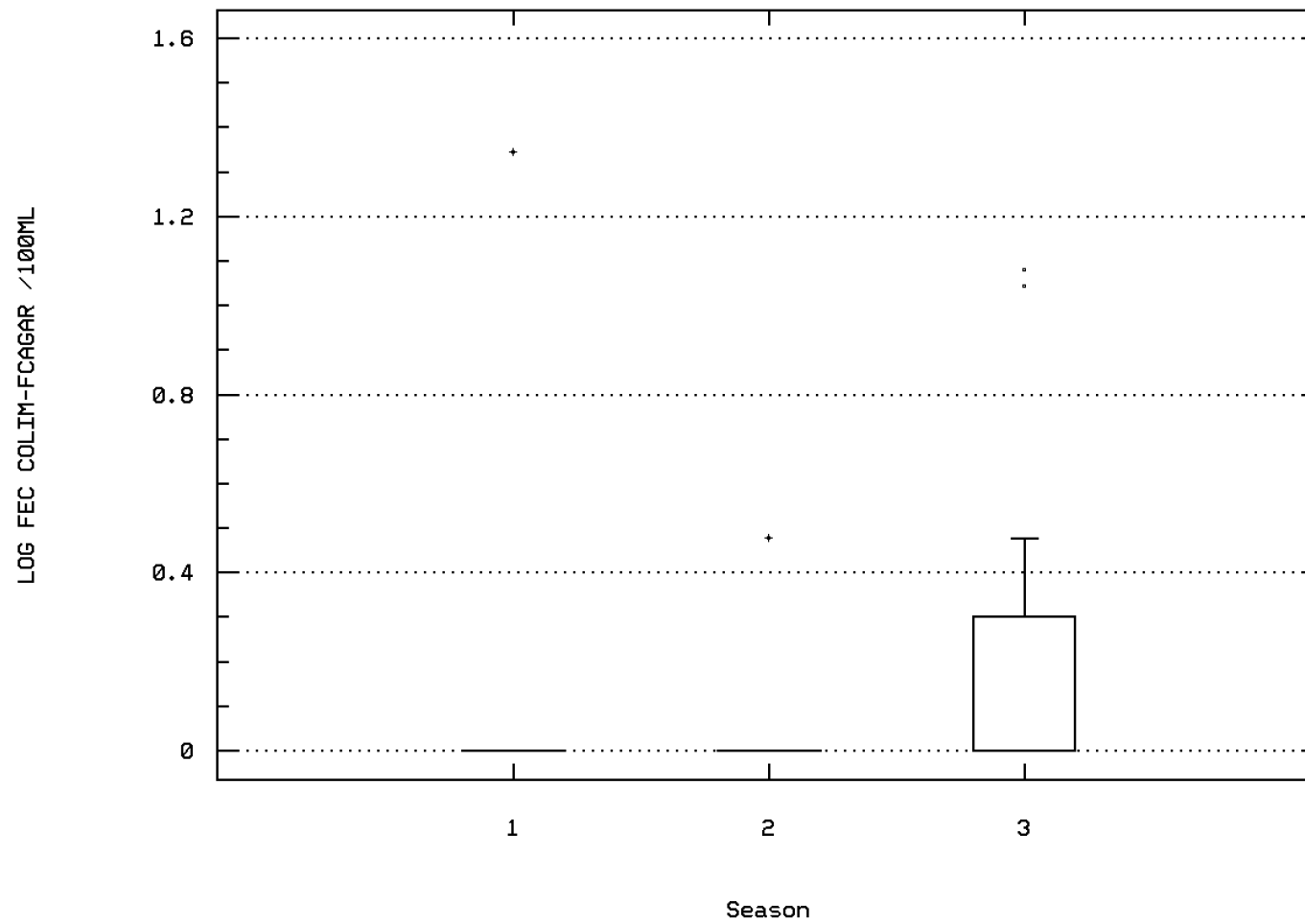
SALINITY - PARTS PER THOUSAND



CANEEL BAY AT END OF DOCK

Station: VIIS0073 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CANEEL BAY AT END OF DOCK

Station Inventory for Station: VIIS0074

NPS Station ID: VIIS0074
 Location: GREAT CRUZ BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC:
 Major Basin: ST JOHN - 100 FT OFF
 Minor Basin: BEACH AT DRAIN DEPTH 1.5/2.5 METERS
 RF1 Index:
 RF3 Index:
 Description:

LAT/LON: 18.323615/ -64.788337

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 45 /STJ45
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/11/73-01/23/86	39	27.2	27.236	29.8	23.3	2.718	1.649	25.	26.2	28.9	29.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/11/73-10/02/79	34	1.25	1.474	4.2	0.1	0.781	0.884	0.55	1.	1.8	3.1
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/11/73-01/23/86	39	2.5	2.209	5.	0.	0.67	0.818	1.2	1.8	2.5	3.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/02/79	15	6.3	6.433	8.1	5.9	0.35	0.591	5.9	6.	6.8	7.44
00300	OXYGEN, DISSOLVED MG/L	01/11/73-01/23/86	24	6.55	6.517	7.1	5.8	0.101	0.319	5.95	6.4	6.7	6.9
00400	PH (STANDARD UNITS)	01/11/73-10/02/79	32	8.2	8.202	8.6	8.	0.016	0.128	8.015	8.1	8.25	8.385
00400	CONVERTED PH (STANDARD UNITS)	01/11/73-10/02/79	32	8.2	8.185	8.6	8.	0.017	0.129	8.015	8.1	8.25	8.385
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/11/73-10/02/79	32	0.006	0.007	0.01	0.003	0.	0.002	0.004	0.006	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	01/11/73-01/23/86	36	35.6	35.639	38.	31.5	1.273	1.128	34.61	35.	36.175	37.06
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-01/23/86	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-01/23/86	3	0.01	0.007	0.01	0.001	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/20/85-01/23/86	3	0.1	0.07	0.1	0.01	0.003	0.052	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/85-01/23/86	3	0.01	0.01	0.02	0.001	0.	0.01	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/73-01/23/86	38	0.	2.75	46.	0.	90.753	9.526	0.	0.	0.5	4.3
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/29/73-01/23/86	38	0.	0.109	1.663	-0.301	0.184	0.429	0.	0.	-0.301	0.626
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.285								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-01/23/86	5	1.3	1.78	3.1	0.9	0.867	0.931	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

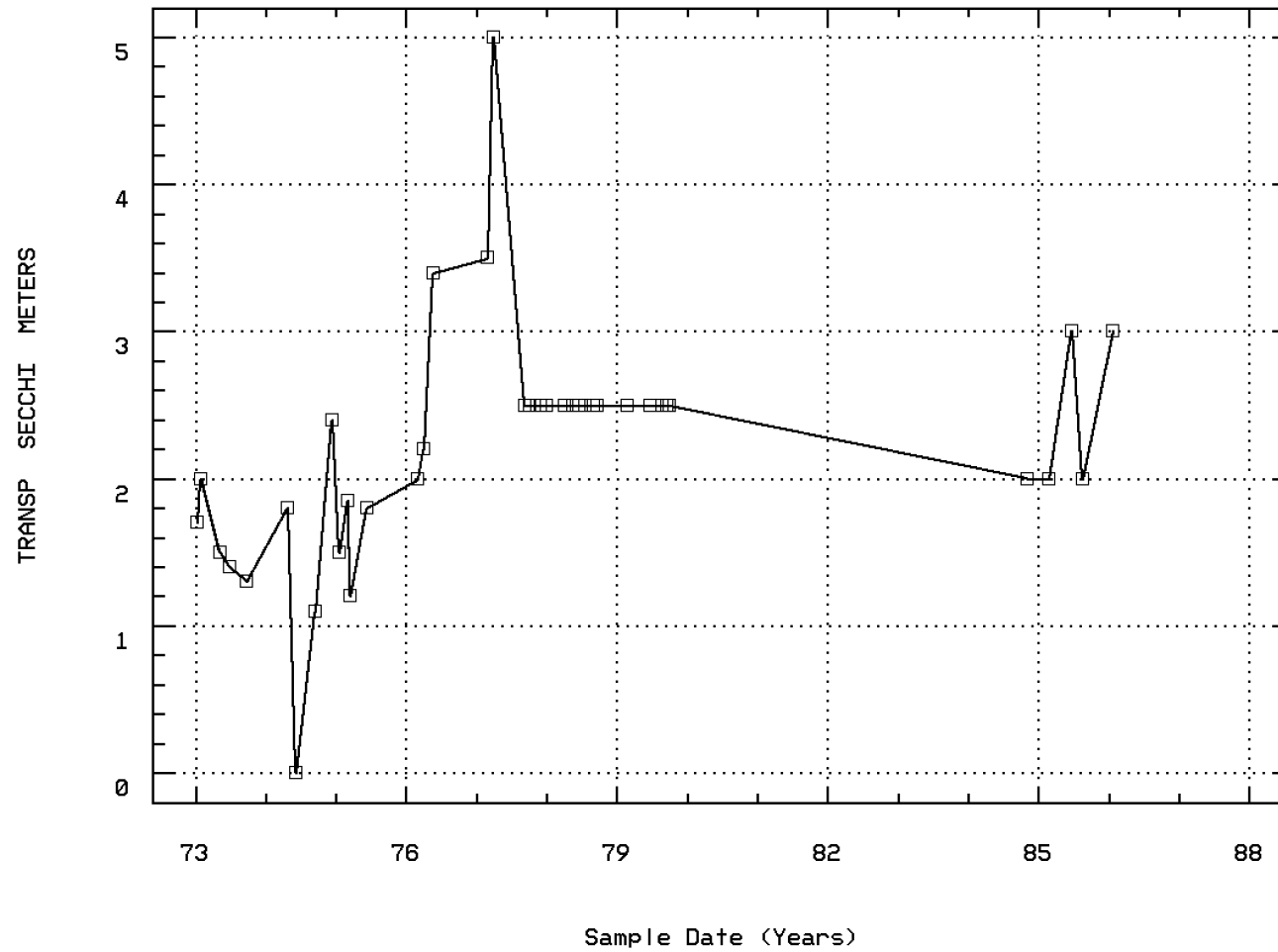
EPA Water Quality Criteria Analysis for Station: VIIS0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	34	0	0.00	13	0	0.00	9	0	0.00	12	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	15	0	0.00	9	0	0.00	2	0	0.00	4	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	24	0	0.00	6	0	0.00	9	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	32	0	0.00	12	0	0.00	9	0	0.00	11	0	0.00			
		Other-Lo Lim.	6.5	32	0	0.00	12	0	0.00	9	0	0.00	11	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	38	0	0.00	14	0	0.00	10	0	0.00	14	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0074 Parameter Code: 00078

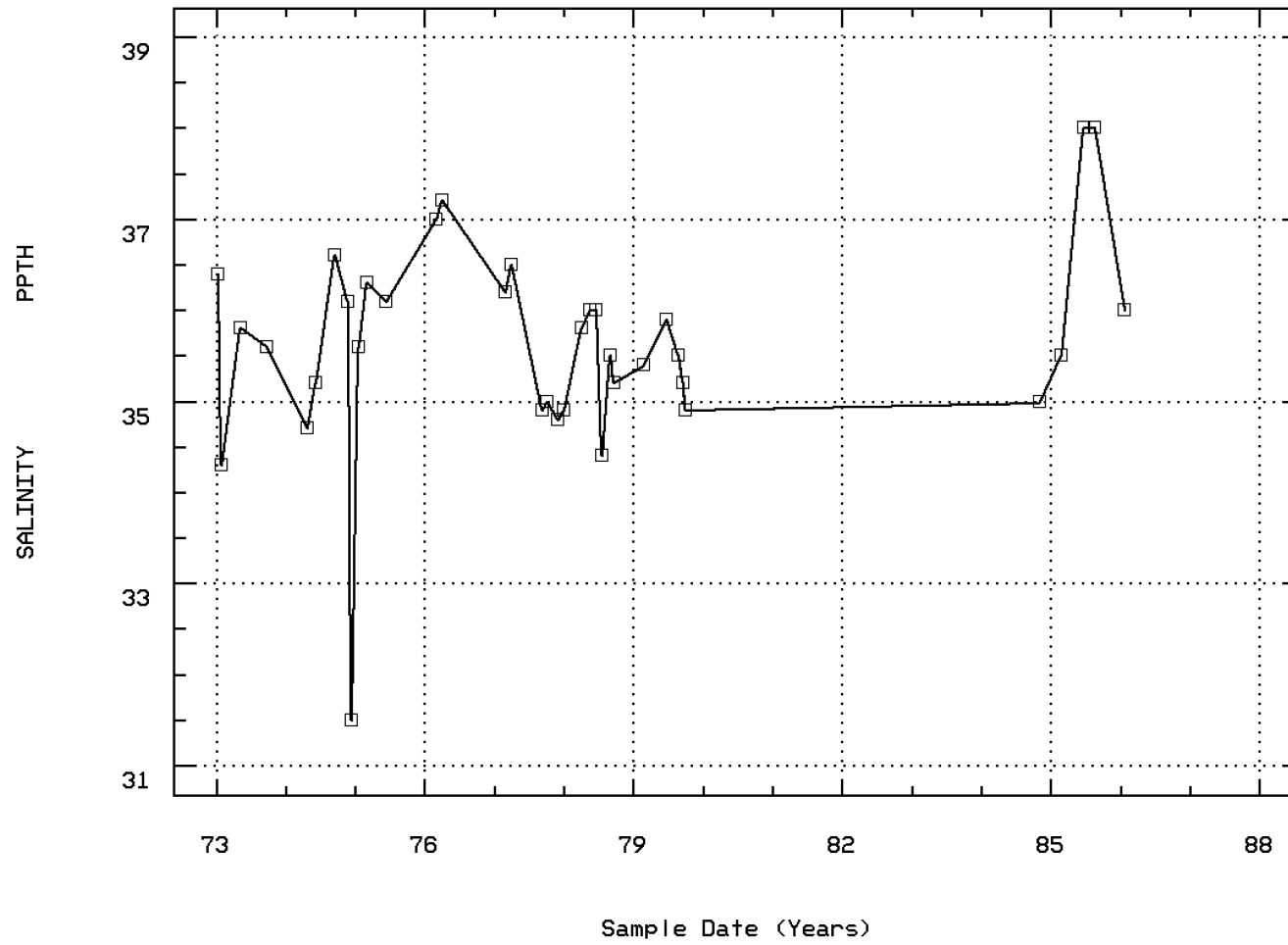
TRANSPARENCY, SECCHI DISC (METERS)



GREAT CRUZ BAY

Station: VIIS0074 Parameter Code: 00480

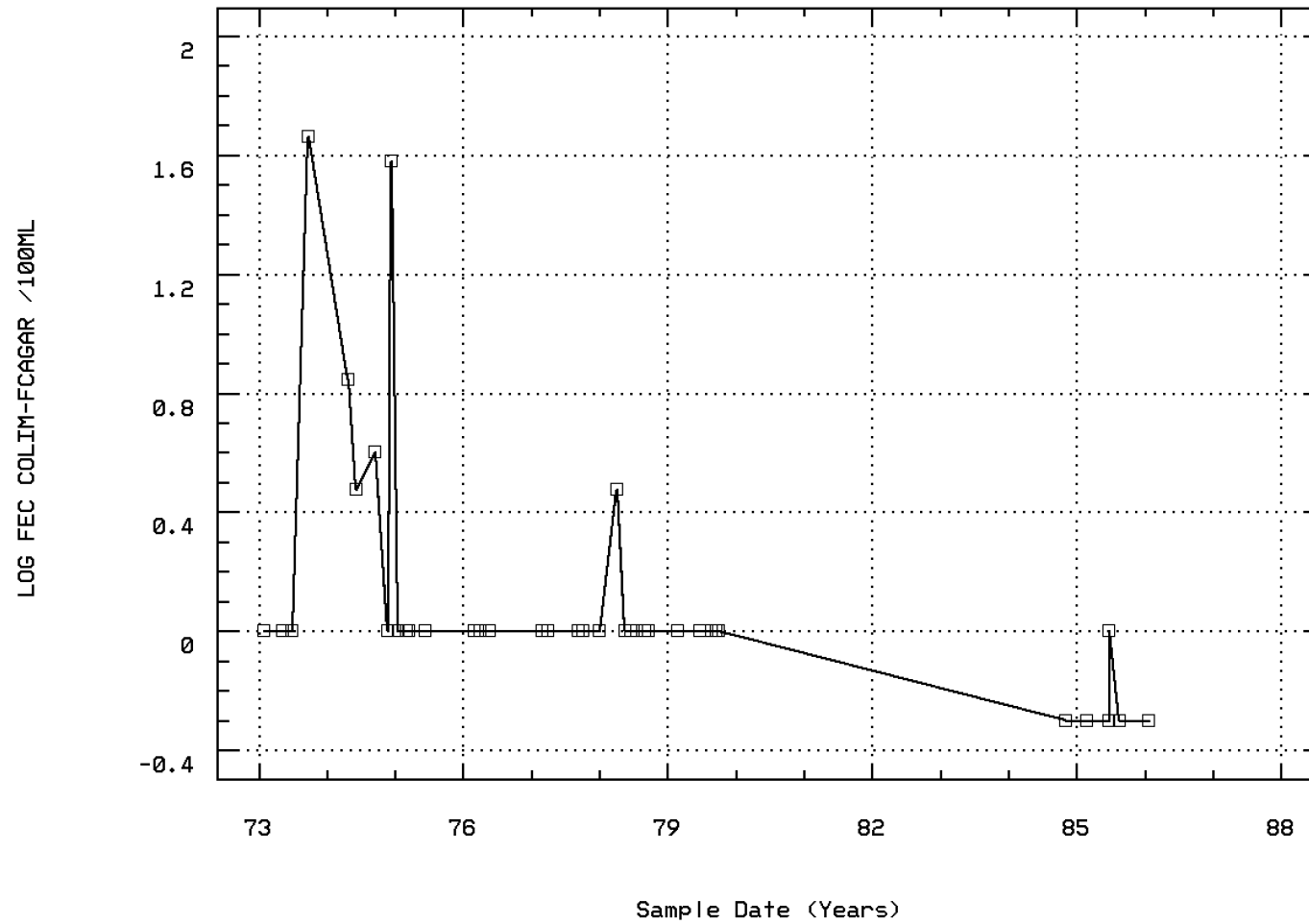
SALINITY - PARTS PER THOUSAND



GREAT CRUZ BAY

Station: VIIS0074 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



GREAT CRUZ BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0074

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	15	28.5	28.047	29.8	25.	2.02	1.421	25.12	27.2	29.	29.44
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	13	1.1	1.369	3.5	0.6	0.581	0.762	0.68	0.85	1.8	2.86
00078p	TRANSPARENCY, SECCHI DISC (METERS)	15	2.5	2.153	2.5	1.	0.311	0.558	1.06	2.	2.5	2.5
00300p	OXYGEN, DISSOLVED MG/L	6	6.4	6.333	6.6	5.8	0.079	0.28	**	**	**	**
00400	PH (STANDARD UNITS)	12	8.2	8.183	8.3	8.	0.009	0.094	8.03	8.1	8.275	8.3
00400	CONVERTED PH (STANDARD UNITS)	12	8.2	8.174	8.3	8.	0.009	0.094	8.03	8.1	8.275	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12	0.006	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	15	35.2	35.213	38.	31.5	1.836	1.355	33.24	34.9	35.6	37.16
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	14	0.	6.357	46.	0.	231.593	15.218	0.	0.	1.375	42.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	14	0.	0.232	1.663	-0.301	0.389	0.623	0.	0.	-0.075	1.621
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.705								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0074

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	26.3	25.718	26.8	23.3	1.124	1.06	23.54	25.	26.4	26.74
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	9	1.7	1.767	4.2	0.1	1.335	1.155	0.1	1.15	2.3	4.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	11	2.	2.159	3.5	1.2	0.447	0.669	1.26	1.7	2.5	3.4
00300p	OXYGEN, DISSOLVED MG/L	9	6.7	6.678	7.	6.4	0.032	0.179	6.4	6.55	6.8	7.
00400	PH (STANDARD UNITS)	9	8.2	8.261	8.6	8.05	0.03	0.175	8.05	8.125	8.4	8.6
00400	CONVERTED PH (STANDARD UNITS)	9	8.2	8.233	8.6	8.05	0.031	0.177	8.05	8.125	8.4	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.006	0.006	0.009	0.003	0.	0.002	0.003	0.004	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	10	35.8	35.76	37.	34.3	0.62	0.788	34.36	35.275	36.325	36.94
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10	0.	0.1	0.5	0.	0.044	0.211	0.	0.	0.125	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	10	0.	-0.06	0.	-0.301	0.016	0.127	0.	0.	-0.075	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				0.871								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

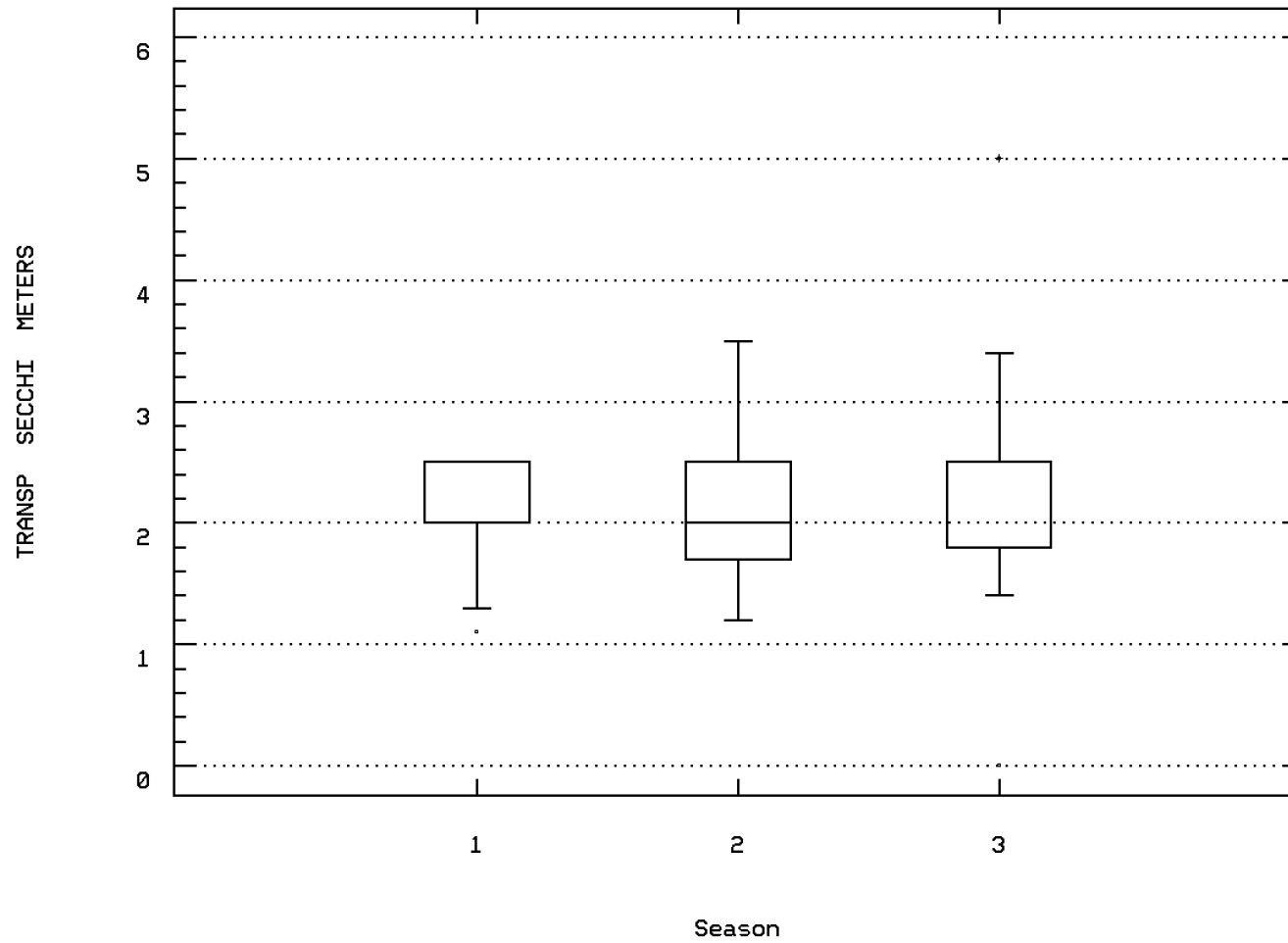
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0074

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	13	27.6	27.585	29.5	24.9	2.25	1.5	25.26	26.25	29.1	29.46
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12	1.35	1.367	3.5	0.2	0.642	0.802	0.29	1.025	1.5	2.96
00078p	TRANSPARENCY, SECCHI DISC (METERS)	13	2.5	2.315	5.	0.	1.366	1.169	0.56	1.65	2.75	4.36
00300p	OXYGEN, DISSOLVED MG/L	9	6.5	6.478	7.1	5.8	0.154	0.393	5.8	6.15	6.75	7.1
00400	PH (STANDARD UNITS)	11	8.2	8.173	8.35	8.	0.012	0.11	8.	8.1	8.25	8.33
00400	CONVERTED PH (STANDARD UNITS)	11	8.2	8.16	8.35	8.	0.012	0.111	8.	8.1	8.25	8.33
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.006	0.007	0.01	0.004	0.	0.002	0.005	0.006	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	11	36.	36.109	38.	34.7	0.799	0.894	34.8	35.8	36.5	37.84
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	14	0.	1.036	7.	0.	4.095	2.024	0.	0.	1.5	5.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	14	0.	0.107	0.845	-0.301	0.085	0.291	0.	0.	0.119	0.661
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.279								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0074 Parameter Code: 00078

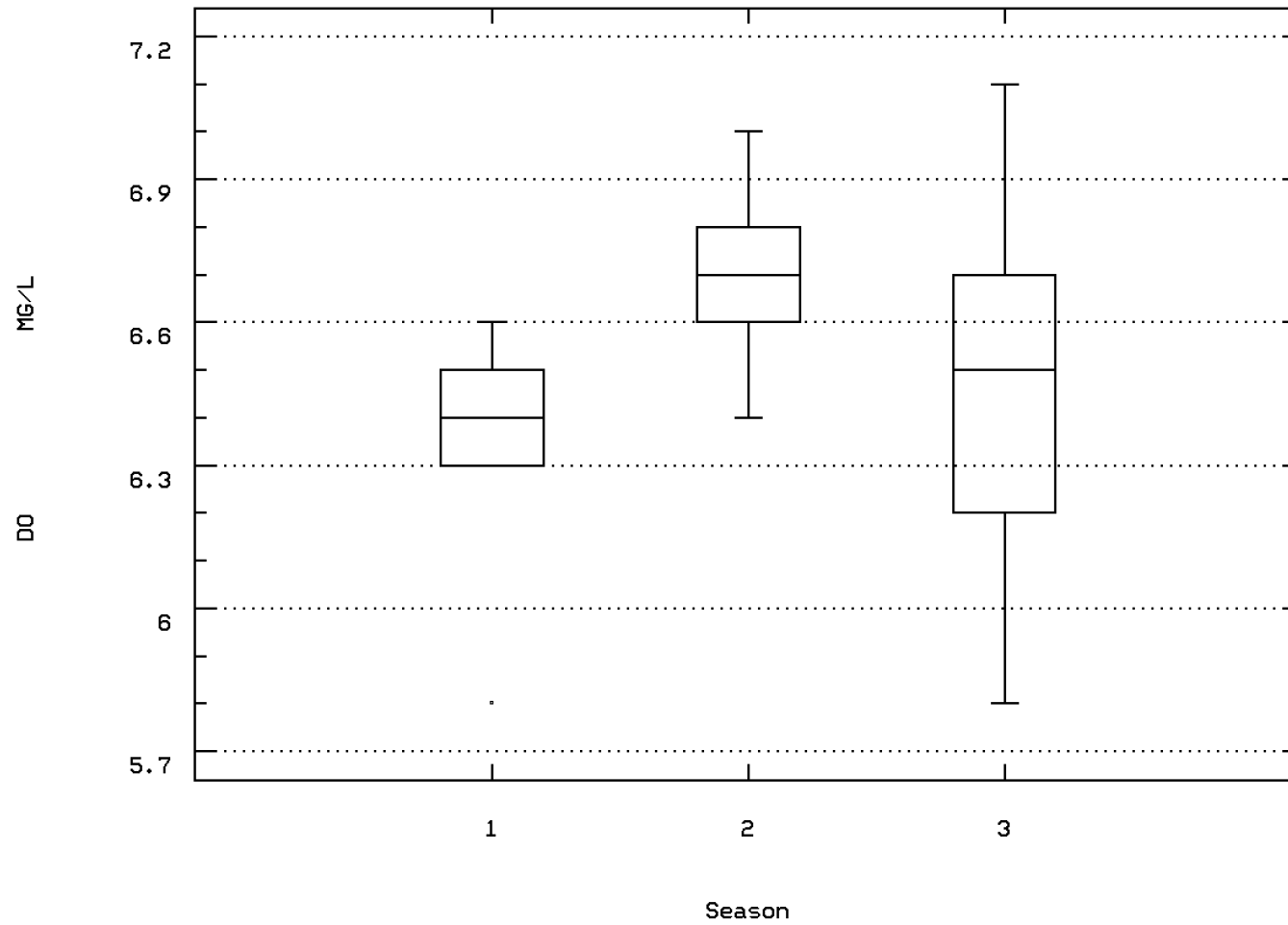
TRANSPARENCY, SECCHI DISC (METERS)



GREAT CRUZ BAY

Station: VIIS0074 Parameter Code: 00300

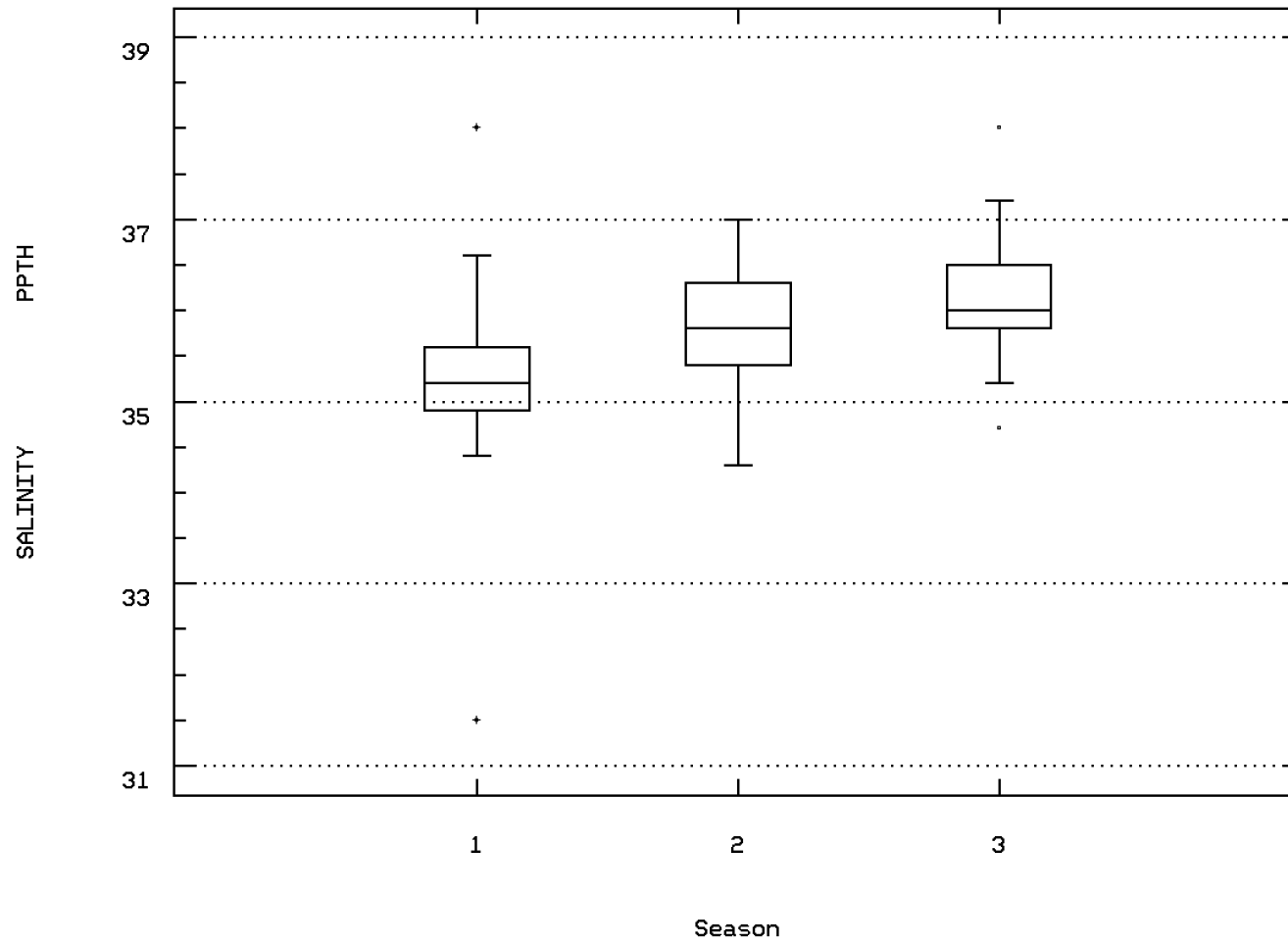
OXYGEN, DISSOLVED



GREAT CRUZ BAY

Station: VIIS0074 Parameter Code: 00480

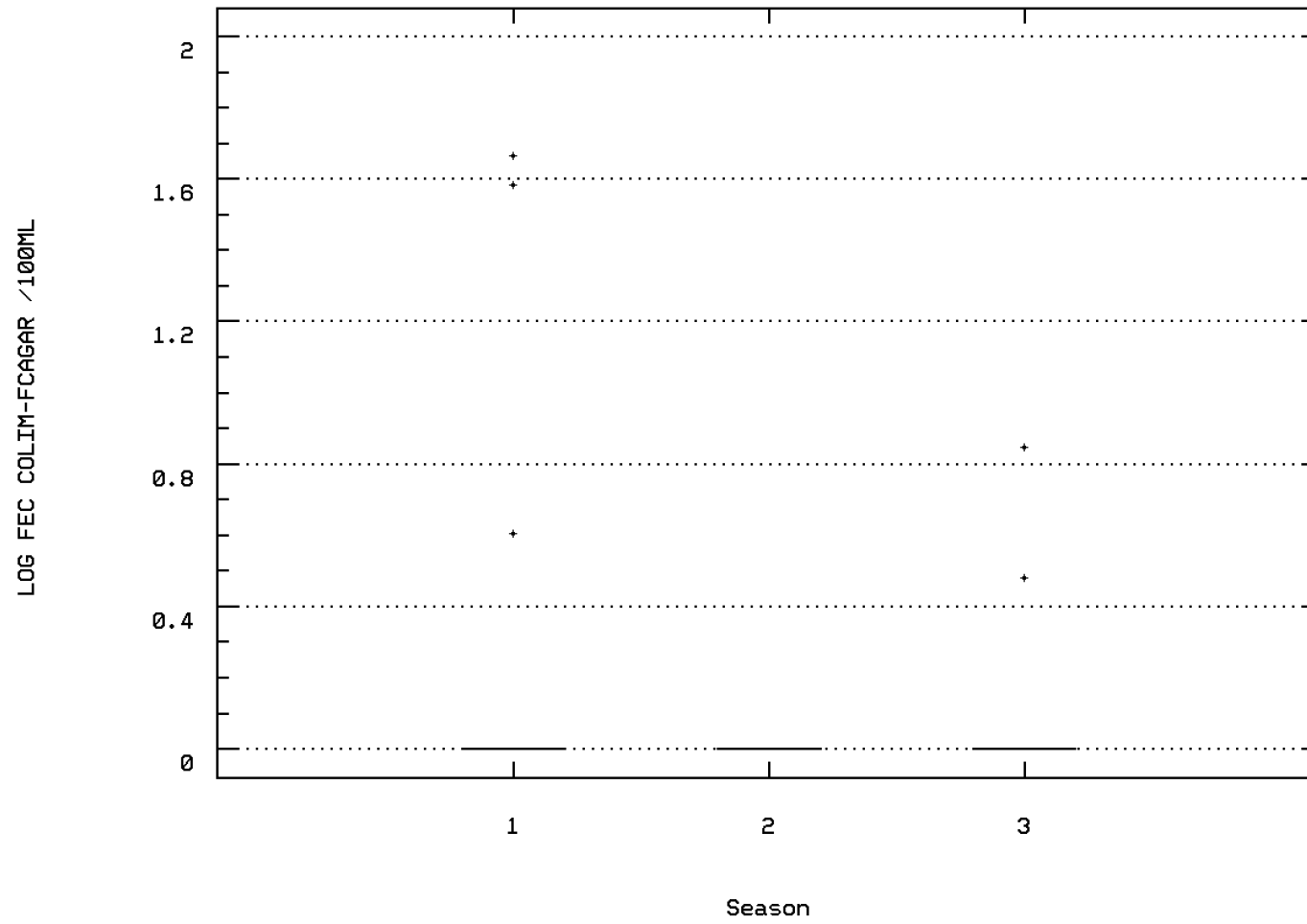
SALINITY - PARTS PER THOUSAND



GREAT CRUZ BAY

Station: VIIS0074 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



GREAT CRUZ BAY

Station Inventory for Station: VIIS0075

NPS Station ID: VIIS0075
 Location: GR. CRUZ 100 FT OFF BEACH AT DRAIN 1.5/2.5 M
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.323615/ -64.788337

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-45
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0075

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-09/11/80	9	28.2	27.967	29.2	26.3	1.192	1.092	26.3	26.85	29.	29.2
00032 CLOUD COVER (PERCENT)	11/07/79-08/19/80	8	35.	31.75	60.	10.	353.357	18.798	**	**	**	**
00035 WIND VELOCITY (MILES PER HOUR)	11/07/79-08/19/80	8	10.	10.375	13.	7.	5.982	2.446	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-09/11/80	9	2.	2.178	3.	2.	0.122	0.349	2.	2.	2.3	3.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/07/79-09/11/80	9	6.6	6.956	9.4	6.3	0.913	0.955	6.3	6.4	7.	9.4
00400 PH (STANDARD UNITS)	11/07/79-09/11/80	9	8.2	8.183	8.3	8.	0.009	0.094	8.	8.125	8.25	8.3
00400 CONVERTED PH (STANDARD UNITS)	11/07/79-09/11/80	9	8.2	8.174	8.3	8.	0.009	0.094	8.	8.125	8.25	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/07/79-09/11/80	9	0.006	0.007	0.01	0.005	0.	0.002	0.005	0.006	0.008	0.01
00480 SALINITY - PARTS PER THOUSAND	11/07/79-09/11/80	9	35.9	35.956	37.	34.8	0.335	0.579	34.8	35.8	36.25	37.
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-09/11/80	9 ##	0.5	17.556	154.	0.5	2618.028	51.167	0.5	0.5	0.5	154.
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-09/11/80	9 ##	-0.301	-0.025	2.188	-0.301	0.688	0.83	-0.301	-0.301	-0.301	2.188
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.945								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/79-09/11/80	9	1.8	1.767	2.6	0.7	0.495	0.704	0.7	1.15	2.55	2.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0075

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	9	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00			
	Other-Lo Lim.	6.5	9	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	9	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0076

NPS Station ID: VIIS0076
 Location: GREAT CRUZ BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.323754/ -64.788476

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_GCRB25
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	63	28.1	27.994	30.5	25.7	1.465	1.21	26.2	26.9	29.1	29.4
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	62	35.	38.935	100.	5.	678.455	26.047	6.5	20.	50.	80.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	61	5.	5.934	15.	0.	10.562	3.25	2.5	5.	7.5	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	45	21.7	21.338	35.3	1.	56.335	7.506	11.68	15.75	26.7	32.7
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	59	2.5	2.571	4.	1.	0.394	0.628	2.	2.	3.	3.5
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	57	54100.	45534.789	56000.	51.	395882034.883	19896.785	54.	52400.	54750.	55320.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	63	6.4	6.397	8.1	4.8	0.305	0.552	5.8	6.1	6.8	7.
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	56	7.815	7.781	8.59	7.25	0.123	0.351	7.36	7.403	8.085	8.24
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	56	7.815	7.655	8.59	7.25	0.139	0.373	7.36	7.403	8.085	8.24
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	56	0.015	0.022	0.056	0.003	0.	0.016	0.006	0.008	0.04	0.044
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	58	35.9	35.667	37.2	33.5	0.843	0.918	34.28	35.	36.3	36.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.013	0.026	0.098	0.002	0.001	0.03	0.003	0.008	0.048	0.087
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.004	0.	0.	0.001	0.	0.001	0.002	0.004
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.01	0.	0.	0.003	0.	0.	0.003	0.009
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.005	0.02	0.001	0.	0.006	0.001	0.001	0.006	0.017
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.008	0.001	0.	0.002	0.001	0.003	0.007	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.9	1.112	4.5	0.08	0.569	0.754	0.39	0.6	1.5	2.01
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	61	3.	2.99	5.3	1.9	0.635	0.797	2.	2.4	3.4	4.24

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0076

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	63	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						30	0	0.00	14	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	56	0	0.00	26	0	0.00	13	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	56	0	0.00	26	0	0.00	13	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	29	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.9	27.756	29.2	26.	1.528	1.236	26.	26.35	28.85	29.2
00032	CLOUD COVER (PERCENT)	9	50.	44.333	99.	5.	1014.	31.843	5.	15.	70.	99.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	6.111	10.	5.	4.861	2.205	5.	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	2.	2.2	2.5	2.	0.06	0.245	2.	2.	2.5	2.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4	54050.	54025.	54400.	53600.	122500.	350.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	9	6.4	6.367	6.8	5.8	0.088	0.296	5.8	6.2	6.55	6.8
00406	PH, FIELD, STANDARD UNITS SU	9	7.83	7.943	8.3	7.65	0.051	0.226	7.65	7.795	8.19	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.83	7.896	8.3	7.65	0.053	0.231	7.65	7.795	8.19	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.015	0.013	0.022	0.005	0.	0.006	0.005	0.006	0.016	0.022
00480	SALINITY - PARTS PER THOUSAND	5	35.7	35.32	36.1	33.5	1.102	1.05	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	7	0.5	0.726	2.7	0.08	0.797	0.893	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	2.3	2.311	3.	2.	0.121	0.348	2.	2.	2.5	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	6	27.75	27.467	29.3	25.7	1.731	1.316	**	**	**	**
00032	CLOUD COVER (PERCENT)	6	30.	31.667	50.	10.	296.667	17.224	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	6	5.	5.	5.	5.	0.	0.	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	5	26.	23.74	35.3	1.	185.428	13.617	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	5	3.	2.7	3.	2.	0.2	0.447	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	6	52350.	52300.	53100.	51300.	340000.	583.095	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	6	6.5	6.583	6.9	6.4	0.046	0.214	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	6	7.385	7.43	7.72	7.25	0.026	0.16	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	6	7.385	7.408	7.72	7.25	0.026	0.162	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	6	0.041	0.039	0.056	0.019	0.	0.012	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	6	34.55	34.483	35.	33.8	0.166	0.407	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	6	0.7	0.833	1.6	0.4	0.203	0.45	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	6	3.	2.917	3.	2.5	0.042	0.204	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	28.7	28.411	29.9	26.2	1.321	1.149	26.2	27.55	29.15	29.9
00032	CLOUD COVER (PERCENT)	9	50.	45.556	80.	30.	252.778	15.899	30.	30.	50.	80.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	5.	15.	0.	18.75	4.33	0.	2.5	5.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	9	21.6	19.533	24.	12.	18.29	4.277	12.	15.5	23.25	24.
00078	TRANSPARENCY, SECCHI DISC (METERS)	8	3.	2.875	3.5	2.	0.268	0.518	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54300.	54411.111	55200.	53600.	246111.111	496.096	53600.	54050.	54850.	55200.
00300	OXYGEN, DISSOLVED MG/L	9	6.4	6.311	7.1	4.8	0.456	0.675	4.8	6.	6.75	7.1
00406	PH, FIELD, STANDARD UNITS SU	9	7.39	7.382	7.44	7.33	0.001	0.038	7.33	7.345	7.415	7.44
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.39	7.381	7.44	7.33	0.001	0.038	7.33	7.345	7.415	7.44
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.041	0.042	0.047	0.036	0.	0.004	0.036	0.038	0.045	0.047
00480	SALINITY - PARTS PER THOUSAND	9	35.9	36.022	36.6	35.5	0.127	0.356	35.5	35.75	36.35	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	8	0.9	0.925	1.6	0.3	0.139	0.373	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	8	3.	3.125	4.	2.5	0.268	0.518	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.8	27.85	29.4	26.1	1.647	1.283	26.13	26.7	29.4	29.4
00032	CLOUD COVER (PERCENT)	10	37.5	37.5	70.	10.	440.278	20.983	10.5	22.5	57.5	69.5
00035	WIND VELOCITY (MILES PER HOUR)	10	5.	5.85	10.	2.5	4.169	2.042	2.75	5.	7.5	9.75
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	16.35	18.7	31.	11.8	44.58	6.677	11.95	13.375	23.85	30.81
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	3.25	3.05	4.	2.	0.469	0.685	2.	2.375	3.5	3.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600.	54044.444	56000.	51300.	2317777.778	1522.425	51300.	52800.	55300.	56000.
00300	OXYGEN, DISSOLVED MG/L	10	6.35	6.6	8.1	5.8	0.593	0.77	5.81	5.9	7.25	8.03
00406	PH, FIELD, STANDARD UNITS SU	10	7.455	7.536	7.89	7.33	0.043	0.208	7.334	7.37	7.773	7.882
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.454	7.497	7.89	7.33	0.045	0.212	7.334	7.37	7.773	7.882
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.035	0.032	0.047	0.013	0.	0.013	0.013	0.017	0.043	0.046
00480	SALINITY - PARTS PER THOUSAND	9	36.2	35.733	37.2	33.7	1.265	1.125	33.7	34.8	36.6	37.2
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	1.	1.3	2.6	0.3	0.568	0.753	0.3	0.8	2.05	2.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.	3.98	5.3	2.5	0.771	0.878	2.55	3.375	4.625	5.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.4	28.118	30.5	25.9	1.822	1.35	26.	26.8	28.8	30.26
00032	CLOUD COVER (PERCENT)	10	35.	43.	80.	20.	340.	18.439	21.	33.75	51.25	79.
00035	WIND VELOCITY (MILES PER HOUR)	9	5.	4.889	10.	1.	8.736	2.956	1.	2.5	7.5	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	9	21.1	20.267	32.5	9.8	51.53	7.178	9.8	13.95	24.75	32.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	2.1	2.461	3.5	2.	0.339	0.582	2.	2.	2.975	3.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54300.	54200.	55100.	52400.	664000.	814.862	52520.	54200.	54800.	55080.
00300	OXYGEN, DISSOLVED MG/L	11	6.5	6.536	7.6	5.8	0.265	0.514	5.82	6.1	6.8	7.48
00406	PH, FIELD, STANDARD UNITS SU	5	7.88	7.886	8.1	7.68	0.028	0.166	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	5	7.88	7.861	8.1	7.68	0.028	0.168	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	5	0.013	0.014	0.021	0.008	0.	0.005	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11	36.	35.827	36.6	34.5	0.422	0.65	34.58	35.4	36.3	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	1.3	1.35	2.7	0.2	0.487	0.698	0.25	0.85	1.8	2.61
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	3.	3.06	4.5	2.	0.809	0.9	2.	2.075	4.	4.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.6	28.056	29.5	26.2	1.778	1.333	26.2	26.9	29.4	29.5
00032	CLOUD COVER (PERCENT)	9	20.	37.222	90.	5.	1256.944	35.453	5.	7.5	80.	90.
00035	WIND VELOCITY (MILES PER HOUR)	9	8.	7.778	15.	3.	14.694	3.833	3.	5.	10.5	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	25.2	23.933	28.4	18.2	27.213	5.217	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	2.44	2.434	3.5	1.2	0.482	0.694	1.2	1.915	2.895	3.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	55200.	54755.556	56000.	53200.	1057777.778	1028.483	53200.	53650.	55550.	56000.
00300	OXYGEN, DISSOLVED MG/L	9	6.1	6.111	7.	5.3	0.281	0.53	5.3	5.7	6.45	7.
00406	PH, FIELD, STANDARD UNITS SU	8	8.015	8.064	8.28	7.96	0.012	0.111	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	8	8.015	8.052	8.28	7.96	0.013	0.112	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	8	0.01	0.009	0.011	0.005	0.	0.002	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	9	36.5	36.267	37.1	35.2	0.545	0.738	35.2	35.45	36.9	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.8	0.989	1.6	0.6	0.156	0.395	0.6	0.65	1.4	1.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	2.4	2.711	4.3	2.1	0.439	0.662	2.1	2.35	2.9	4.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.4	28.111	29.3	26.3	0.979	0.989	26.3	27.35	28.85	29.3
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	10.	30.556	100.	5.	1359.028	36.865	5.	5.	65.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.611	15.	0.	20.236	4.498	0.	3.75	10.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	01/06/89-10/26/94	9	27.4	24.944	33.8	11.5	55.933	7.479	11.5	18.8	31.4	33.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	2.42	2.312	3.03	1.	0.459	0.678	1.	1.94	3.03	3.03
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.667	56.	51.	2.5	1.581	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.278	7.	5.2	0.289	0.538	5.2	6.	6.7	7.
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	9	8.13	8.216	8.59	8.07	0.03	0.174	8.07	8.08	8.31	8.59
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	9	8.13	8.189	8.59	8.07	0.031	0.176	8.07	8.08	8.31	8.59
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	9	0.007	0.006	0.009	0.003	0.	0.002	0.003	0.005	0.008	0.009
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.6	35.433	37.	33.7	1.112	1.055	33.7	34.55	36.2	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.	1.433	4.5	0.6	1.47	1.212	0.6	0.75	1.65	4.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	2.7	3.3	1.9	0.213	0.461	1.9	2.35	3.	3.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	30	29.05	28.817	30.5	26.8	0.666	0.816	27.81	28.1	29.4	29.49
00032	CLOUD COVER (PERCENT)	30	42.5	43.8	100.	5.	895.614	29.927	5.	17.5	70.	89.
00035	WIND VELOCITY (MILES PER HOUR)	30	5.	5.417	15.	0.	10.795	3.286	0.25	3.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.	2.788	3.5	2.	0.281	0.53	2.	2.47	3.125	3.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	29	54100.	46572.862	56000.	51.	359814228.337	18968.77	54.	52500.	54500.	55400.
00300	OXYGEN, DISSOLVED MG/L	30	6.1	6.127	6.9	4.8	0.258	0.508	5.31	5.875	6.5	6.79
00406	PH, FIELD, STANDARD UNITS SU	26	7.825	7.771	8.24	7.25	0.104	0.323	7.33	7.385	8.045	8.163
00406	CONVERTED PH, FIELD, STANDARD UNITS	26	7.825	7.656	8.24	7.25	0.118	0.344	7.33	7.385	8.045	8.163
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	26	0.015	0.022	0.056	0.006	0.	0.016	0.007	0.009	0.041	0.047
00480	SALINITY - PARTS PER THOUSAND	29	35.9	35.652	37.1	33.7	0.782	0.884	33.8	35.3	36.15	36.7
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	29	0.9	1.221	4.5	0.2	0.811	0.901	0.3	0.7	1.55	2.6
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	29	3.	3.259	5.3	2.4	0.463	0.681	2.5	2.85	3.5	4.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	14	26.25	26.364	27.8	25.7	0.255	0.505	25.8	26.075	26.475	27.3
00032	CLOUD COVER (PERCENT)	14	22.5	29.643	75.	5.	436.401	20.89	7.5	13.75	38.75	70.
00035	WIND VELOCITY (MILES PER HOUR)	13	5.	6.577	15.	2.5	12.41	3.523	3.5	5.	8.	13.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	2.1	2.264	3.5	1.	0.413	0.643	1.28	2.	2.75	3.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12	53250.	44892.333	55100.	53.	439569702.606	20965.918	53.6	52425.	54750.	55070.
00300	OXYGEN, DISSOLVED MG/L	14	6.5	6.75	8.1	6.2	0.295	0.543	6.25	6.4	7.	7.85
00406	PH, FIELD, STANDARD UNITS SU	13	7.72	7.792	8.38	7.37	0.101	0.318	7.386	7.485	8.03	8.304
00406	CONVERTED PH, FIELD, STANDARD UNITS	13	7.72	7.695	8.38	7.37	0.111	0.334	7.386	7.485	8.03	8.304
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	13	0.019	0.02	0.043	0.004	0.	0.013	0.005	0.009	0.033	0.041
00480	SALINITY - PARTS PER THOUSAND	13	35.2	35.469	36.6	33.5	0.886	0.941	33.9	34.85	36.25	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	13	1.	0.946	1.8	0.4	0.199	0.446	0.44	0.6	1.25	1.72
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	14	2.4	2.643	4.5	2.	0.589	0.767	2.	2.075	3.	4.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0076

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.8	27.895	29.2	26.3	0.584	0.764	26.9	27.3	28.5	28.8
00032	CLOUD COVER (PERCENT)	18	37.5	38.056	85.	5.	459.232	21.43	9.5	23.75	50.	76.
00035	WIND VELOCITY (MILES PER HOUR)	18	5.	6.333	15.	1.	9.147	3.024	4.6	5.	7.625	10.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	17	2.41	2.434	4.	1.2	0.445	0.667	1.744	2.	2.875	3.6
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54200.	44135.125	56000.	52.	479452041.05	21896.393	53.4	52250.	55125.	55720.
00300	OXYGEN, DISSOLVED MG/L	19	6.5	6.563	7.4	5.9	0.174	0.417	6.1	6.3	6.9	7.2
00406	PH, FIELD, STANDARD UNITS SU	17	7.78	7.789	8.59	7.33	0.184	0.429	7.354	7.385	8.175	8.358
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.78	7.625	8.59	7.33	0.213	0.461	7.354	7.385	8.175	8.358
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.017	0.024	0.047	0.003	0.	0.017	0.005	0.007	0.041	0.044
00480	SALINITY - PARTS PER THOUSAND	16	35.9	35.856	37.2	34.1	0.963	0.981	34.24	35.025	36.75	37.06
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.95	1.049	2.7	0.08	0.439	0.662	0.234	0.55	1.525	2.07
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	18	2.45	2.828	5.	1.9	0.779	0.882	1.99	2.225	3.075	4.55

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0077

NPS Station ID: VIIS0077
 Location: HENLEY CAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.351892/ -64.792920

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_HECA02
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	66	27.65	27.392	29.1	25.4	1.294	1.138	25.8	26.1	28.5	28.8
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	66	35.	43.773	100.	2.	791.532	28.134	10.	20.	66.25	91.5
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	66	10.	8.72	17.5	0.	21.893	4.679	2.35	5.	12.125	15.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	46	86.	84.709	100.9	56.9	61.414	7.837	76.56	79.	90.	94.08
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	62	4.	4.195	7.62	2.5	0.888	0.942	3.009	3.5	4.88	5.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	60	54200.	46074.717	55900.	51.	380979915.122	19518.707	55.	52600.	54775.	55290.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	66	6.3	6.35	7.8	5.8	0.144	0.379	5.97	6.1	6.525	6.9
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	65	7.84	7.776	8.88	7.14	0.111	0.333	7.386	7.43	8.055	8.168
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	65	7.84	7.662	8.88	7.14	0.124	0.352	7.386	7.43	8.055	8.168
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	65	0.014	0.022	0.072	0.001	0.	0.015	0.007	0.009	0.037	0.041
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	61	36.	35.738	37.1	33.3	0.79	0.889	34.2	35.35	36.3	36.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.012	0.011	0.018	0.004	0.	0.005	0.004	0.006	0.016	0.018
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.005	0.	0.	0.001	0.	0.	0.001	0.004
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.003	0.009	0.	0.	0.002	0.	0.001	0.004	0.008
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.004	0.01	0.001	0.	0.003	0.001	0.002	0.005	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.005	0.005	0.007	0.002	0.	0.001	0.002	0.004	0.006	0.007
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	58	0.2	0.303	0.9	0.05	0.045	0.213	0.1	0.2	0.4	0.71
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	65	4.	4.218	7.6	2.5	0.848	0.921	3.	3.5	4.9	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0077

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	66	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	16	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	65	0	0.00	30	0	0.00	16	0	0.00	19	0	0.00			
	Other-Lo Lim.	6.5	65	0	0.00	30	0	0.00	16	0	0.00	19	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	58	0	0.00	28	0	0.00	14	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.9	27.311	28.5	25.8	1.374	1.172	25.8	25.85	28.3	28.5
00032	CLOUD COVER (PERCENT)	9	40.	52.667	99.	10.	1126.5	33.563	10.	25.	85.	99.
00035	WIND VELOCITY (MILES PER HOUR)	9	10.	11.111	15.	5.	11.111	3.333	5.	10.	15.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	3.5	3.667	5.	2.5	0.5	0.707	2.5	3.25	4.	5.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4	54450.	54375.	54800.	53800.	175833.333	419.325	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	9	6.2	6.211	6.5	6.	0.026	0.162	6.	6.1	6.35	6.5
00406	PH, FIELD, STANDARD UNITS SU	9	7.85	7.879	8.28	7.4	0.06	0.244	7.4	7.785	8.04	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.85	7.815	8.28	7.4	0.064	0.253	7.4	7.785	8.04	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.014	0.015	0.04	0.005	0.	0.01	0.005	0.009	0.016	0.04
00480	SALINITY - PARTS PER THOUSAND	5	36.	35.44	36.3	33.3	1.493	1.222	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	7	0.2	0.299	0.8	0.09	0.054	0.232	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	3.5	3.667	5.	2.5	0.5	0.707	2.5	3.25	4.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	26.9	26.8	28.7	25.4	1.547	1.244	**	**	**	**
00032	CLOUD COVER (PERCENT)	7	30.	40.	90.	20.	700.	26.458	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	7	10.	10.714	15.	5.	20.238	4.499	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	78.5	81.767	90.	76.8	51.563	7.181	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	3.5	3.643	4.5	2.5	0.393	0.627	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	7	52500.	52542.857	53800.	51800.	489523.81	699.66	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	7	6.4	6.429	6.6	6.3	0.019	0.138	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	7	7.39	7.507	7.89	7.27	0.052	0.228	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	7	7.39	7.463	7.89	7.27	0.054	0.233	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.041	0.034	0.054	0.013	0.	0.014	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	7	34.6	34.629	35.6	34.1	0.302	0.55	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	6	0.2	0.2	0.4	0.1	0.012	0.11	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	7	3.5	3.786	4.5	3.5	0.155	0.393	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	28.3	27.727	29.1	25.7	1.684	1.298	25.74	26.4	28.8	29.1
00032	CLOUD COVER (PERCENT)	11	50.	51.364	95.	25.	565.455	23.779	25.	30.	70.	92.
00035	WIND VELOCITY (MILES PER HOUR)	11	10.	10.455	15.	5.	17.273	4.156	5.	5.	15.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	11	83.8	79.964	90.	56.9	106.463	10.318	59.12	73.9	88.	89.74
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	4.25	4.409	5.	3.	0.428	0.655	3.2	4.	5.	5.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54600.	54463.636	55300.	53400.	260545.455	510.437	53520.	54000.	54700.	55220.
00300	OXYGEN, DISSOLVED MG/L	11	6.4	6.436	6.9	6.1	0.053	0.229	6.12	6.3	6.6	6.86
00406	PH, FIELD, STANDARD UNITS SU	11	7.4	7.405	7.45	7.37	0.001	0.026	7.372	7.38	7.42	7.448
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.4	7.404	7.45	7.37	0.001	0.026	7.372	7.38	7.42	7.448
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.04	0.039	0.043	0.035	0.	0.002	0.036	0.038	0.042	0.042
00480	SALINITY - PARTS PER THOUSAND	11	36.1	36.036	36.6	35.3	0.125	0.353	35.38	35.7	36.2	36.54
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0.55	0.51	0.9	0.1	0.068	0.26	0.11	0.275	0.725	0.89
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	11	4.3	4.418	5.	3.	0.426	0.652	3.2	4.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	27.55	27.43	28.9	26.1	1.265	1.125	26.1	26.1	28.55	28.88
00032	CLOUD COVER (PERCENT)	10	47.5	49.8	98.	5.	1022.622	31.978	6.	22.5	82.5	97.2
00035	WIND VELOCITY (MILES PER HOUR)	10	6.25	5.85	10.	0.	10.558	3.249	0.25	3.25	8.125	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	80.55	81.3	92.6	76.	20.082	4.481	76.25	78.875	82.55	91.67
00078	TRANSPARENCY, SECCHI DISC (METERS)	7	3.8	4.407	6.	3.5	1.039	1.019	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54600.	54166.667	55900.	51600.	2015000.	1419.507	51600.	52900.	55300.	55900.
00300	OXYGEN, DISSOLVED MG/L	10	6.45	6.57	7.8	5.8	0.533	0.73	5.8	5.875	7.125	7.77
00406	PH, FIELD, STANDARD UNITS SU	10	7.49	7.54	7.91	7.14	0.048	0.22	7.169	7.43	7.76	7.895
00406	CONVERTED PH, FIELD, STANDARD UNITS	10	7.488	7.49	7.91	7.14	0.051	0.226	7.169	7.43	7.76	7.895
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.032	0.032	0.072	0.012	0.	0.017	0.013	0.017	0.037	0.069
00480	SALINITY - PARTS PER THOUSAND	9	36.1	35.811	37.1	33.9	1.104	1.051	33.9	34.9	36.65	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.3	0.411	0.8	0.2	0.059	0.242	0.2	0.2	0.65	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.15	4.34	6.	3.	0.952	0.975	3.05	3.5	5.125	5.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	27.7	27.482	29.	25.9	1.164	1.079	25.92	26.6	28.3	28.94
00032	CLOUD COVER (PERCENT)	11	35.	42.727	70.	20.	356.818	18.89	21.	25.	65.	70.
00035	WIND VELOCITY (MILES PER HOUR)	11	5.	7.091	17.5	0.5	27.041	5.2	0.6	4.	12.5	16.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	10	90.3	90.06	98.	82.2	25.08	5.008	82.28	85.625	94.05	97.65
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	4.25	4.013	5.	2.5	0.872	0.934	2.55	3.023	5.	5.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	11	54500.	54472.727	55600.	53600.	410181.818	640.454	53640.	53900.	55000.	55560.
00300	OXYGEN, DISSOLVED MG/L	11	6.5	6.418	7.	5.8	0.14	0.374	5.84	6.1	6.6	6.98
00406	PH, FIELD, STANDARD UNITS SU	11	7.96	7.972	8.21	7.8	0.019	0.136	7.808	7.85	8.08	8.188
00406	CONVERTED PH, FIELD, STANDARD UNITS	11	7.96	7.953	8.21	7.8	0.019	0.137	7.808	7.85	8.08	8.188
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11	0.011	0.011	0.016	0.006	0.	0.003	0.007	0.008	0.014	0.016
00480	SALINITY - PARTS PER THOUSAND	11	36.1	35.991	36.6	35.4	0.155	0.394	35.42	35.6	36.3	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	8	0.25	0.269	0.5	0.05	0.019	0.139	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10	4.25	4.01	5.	2.5	0.879	0.937	2.55	3.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9	27.1	27.367	28.8	25.7	1.48	1.217	25.7	26.2	28.55	28.8
00032	CLOUD COVER (PERCENT)	9	30.	36.333	100.	2.	974.75	31.221	2.	12.5	55.	100.
00035	WIND VELOCITY (MILES PER HOUR)	9	10.	8.111	15.	0.	26.861	5.183	0.	2.5	12.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3	96.1	91.967	100.9	78.9	133.813	11.568	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	9	4.27	4.64	7.62	3.35	1.483	1.218	3.35	3.96	4.88	7.62
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	9	54800.	54766.667	55700.	53800.	310000.	556.776	53800.	54400.	55100.	55700.
00300	OXYGEN, DISSOLVED MG/L	9	6.1	6.156	6.5	5.8	0.053	0.23	5.8	6.	6.35	6.5
00406	PH, FIELD, STANDARD UNITS SU	9	7.9	7.971	8.26	7.81	0.022	0.147	7.81	7.86	8.075	8.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	9	7.9	7.951	8.26	7.81	0.022	0.149	7.81	7.86	8.075	8.26
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.013	0.011	0.015	0.005	0.	0.003	0.005	0.008	0.014	0.015
00480	SALINITY - PARTS PER THOUSAND	9	36.3	36.256	37.	35.6	0.175	0.419	35.6	35.95	36.5	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	9	0.1	0.184	0.4	0.08	0.015	0.121	0.08	0.09	0.3	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	9	4.3	4.667	7.6	3.4	1.435	1.198	3.4	4.	4.9	7.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.7	27.4	28.6	25.9	1.038	1.019	25.9	26.25	28.3	28.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	30.556	100.	5.	1015.278	31.863	5.	10.	50.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	10.	8.444	15.	0.5	28.965	5.382	0.5	2.75	13.5	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	86.5	86.911	90.2	82.4	5.489	2.343	82.4	85.75	89.	90.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	4.55	4.484	6.06	3.03	1.157	1.076	3.03	3.645	5.305	6.06
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.667	56.	51.	3.25	1.803	51.	52.	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.189	6.7	5.9	0.059	0.242	5.9	6.	6.3	6.7
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	8	8.14	8.215	8.88	8.02	0.075	0.275	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	8	8.14	8.164	8.88	8.02	0.079	0.28	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	8	0.007	0.007	0.01	0.001	0.	0.002	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.9	35.5	36.9	33.6	1.61	1.269	33.6	34.25	36.6	36.9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.2	0.189	0.3	0.1	0.004	0.06	0.1	0.15	0.2	0.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.6	4.511	6.1	3.	1.186	1.089	3.	3.65	5.35	6.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	28.5	28.297	29.1	26.8	0.37	0.609	27.12	28.1	28.7	28.98
00032	CLOUD COVER (PERCENT)	31	30.	39.452	100.	5.	699.323	26.445	6.	20.	60.	79.
00035	WIND VELOCITY (MILES PER HOUR)	31	10.	8.306	17.5	0.	21.828	4.672	1.3	5.	10.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	30	4.4	4.55	7.62	3.	1.024	1.012	3.5	3.92	5.	6.054
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54400.	46950.467	55700.	51.	350918339.775	18732.815	55.	52700.	54600.	55180.
00300	OXYGEN, DISSOLVED MG/L	31	6.1	6.132	6.5	5.8	0.04	0.201	5.8	6.	6.3	6.4
00406	PH, FIELD, STANDARD UNITS SU	30	7.845	7.77	8.21	7.27	0.085	0.291	7.38	7.428	8.032	8.118
00406	CONVERTED PH, FIELD, STANDARD UNITS	30	7.845	7.675	8.21	7.27	0.094	0.307	7.38	7.427	8.032	8.118
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	30	0.014	0.021	0.054	0.006	0.	0.014	0.008	0.009	0.037	0.042
00480	SALINITY - PARTS PER THOUSAND	30	36.05	35.76	37.	33.6	0.742	0.861	34.11	35.575	36.225	36.6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	28	0.2	0.323	0.9	0.05	0.051	0.227	0.098	0.2	0.4	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	4.45	4.56	7.6	3.	1.026	1.013	3.5	3.95	5.	6.09

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	16	25.9	25.9	26.6	25.4	0.076	0.276	25.47	25.725	26.075	26.25
00032	CLOUD COVER (PERCENT)	16	30.	44.938	100.	10.	942.729	30.704	13.5	21.25	71.25	99.3
00035	WIND VELOCITY (MILES PER HOUR)	16	11.	10.375	15.	0.	19.817	4.452	3.5	7.5	15.	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	14	4.	3.819	5.	2.5	0.516	0.718	2.75	3.045	4.328	4.75
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	14	53800.	46407.714	55600.	53.	386401738.527	19657.104	54.	52950.	54750.	55500.
00300	OXYGEN, DISSOLVED MG/L	16	6.55	6.575	7.5	6.2	0.123	0.351	6.2	6.3	6.675	7.15
00406	PH, FIELD, STANDARD UNITS SU	16	7.85	7.748	8.19	7.14	0.102	0.319	7.315	7.433	8.018	8.169
00406	CONVERTED PH, FIELD, STANDARD UNITS	16	7.85	7.636	8.19	7.14	0.115	0.339	7.315	7.432	8.018	8.169
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.014	0.023	0.072	0.006	0.	0.018	0.007	0.01	0.037	0.05
00480	SALINITY - PARTS PER THOUSAND	15	35.6	35.587	36.6	33.3	0.721	0.849	34.08	35.2	36.3	36.48
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	14	0.3	0.336	0.8	0.1	0.053	0.231	0.1	0.175	0.425	0.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	16	4.	3.913	5.	3.	0.465	0.682	3.	3.175	4.45	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0077

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	27.1	27.174	28.5	25.8	0.554	0.744	26.1	26.6	27.7	28.3
00032	CLOUD COVER (PERCENT)	19	45.	49.842	95.	2.	834.918	28.895	10.	25.	70.	95.
00035	WIND VELOCITY (MILES PER HOUR)	19	7.5	8.	15.	0.5	22.889	4.784	2.	5.	12.5	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.8	3.896	5.	2.5	0.613	0.783	2.5	3.5	4.55	5.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54400.	44141.313	55900.	51.	479572743.029	21899.149	53.1	52125.	54975.	55550.
00300	OXYGEN, DISSOLVED MG/L	19	6.4	6.516	7.8	5.9	0.194	0.44	6.	6.3	6.8	6.9
00406	PH, FIELD, STANDARD UNITS SU	19	7.81	7.81	8.88	7.38	0.171	0.414	7.39	7.43	8.06	8.28
00406	CONVERTED PH, FIELD, STANDARD UNITS	19	7.81	7.665	8.88	7.38	0.194	0.44	7.39	7.43	8.06	8.28
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	19	0.015	0.022	0.042	0.001	0.	0.015	0.005	0.009	0.037	0.041
00480	SALINITY - PARTS PER THOUSAND	16	36.15	35.838	37.1	33.6	1.018	1.009	34.02	35.075	36.575	36.96
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.2	0.242	0.7	0.08	0.029	0.169	0.087	0.1	0.3	0.56
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	4.	3.937	5.	2.5	0.614	0.783	2.5	3.5	4.6	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0078

NPS Station ID: VIIS0078

Location: ENIGHED LAGOON

Station Type: /TYPA/AMBNT/ESTURY

RMI-Indexes:

RMI-Miles:

HUC:

Major Basin: ST JOHN

Minor Basin:

RF1 Index:

RF3 Index:

Description:

DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

LAT/LON: 18.327781/ -64.794448

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 1111H030

FIPS State/County: 78 VIRGIN ISLA/

STORET Station ID(s): VI-73 /STJ-23 /L4(EPA-SJ)

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

Date Created: / /

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: VIIS0078

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: VIIS0079

NPS Station ID: VIIS0079
 Location: CRUZ BAY CREEK 50 FT NO OF RAMP 2.5/3.5 M
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.334171/ -64.794726

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-43C
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-09/30/80	11	28.3	27.827	29.	25.6	1.208	1.099	25.84	26.9	28.8	28.98
00032 CLOUD COVER (PERCENT)	12/12/79-09/30/80	9	35.	33.778	100.	10.	771.194	27.77	10.	12.	40.	100.
00035 WIND VELOCITY (MILES PER HOUR)	12/12/79-09/30/80	10	10.5	10.2	13.	8.	4.4	2.098	8.	8.	12.25	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-09/30/80	11	1.9	1.727	2.8	0.5	0.388	0.623	0.6	1.3	2.1	2.66
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-09/30/80	11	6.3	6.255	7.8	5.3	0.403	0.635	5.4	5.9	6.5	7.56
00400 PH (STANDARD UNITS)	11/09/79-09/30/80	11	8.1	8.123	8.25	7.9	0.011	0.106	7.92	8.1	8.2	8.25
00400 CONVERTED PH (STANDARD UNITS)	11/09/79-09/30/80	11	8.1	8.11	8.25	7.9	0.011	0.107	7.92	8.1	8.2	8.25
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/79-09/30/80	11	0.008	0.008	0.013	0.006	0.	0.002	0.006	0.006	0.008	0.012
00480 SALINITY - PARTS PER THOUSAND	11/09/79-09/30/80	11	35.9	35.836	36.9	34.8	0.413	0.642	34.82	35.5	36.3	36.82
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/09/79-09/30/80	11	1.	54.273	320.	0.5	11371.118	106.635	0.5	0.5	60.	296.
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/09/79-09/30/80	11	0.	0.623	2.505	-0.301	1.205	1.098	-0.301	-0.301	1.778	2.464
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			4.201								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-09/30/80	11	2.	2.882	7.3	0.3	4.032	2.008	0.54	1.6	4.6	6.82

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0079

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	11	2	0.18	5	1	0.20	3	0	0.00	3	1	0.33			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0080

NPS Station ID: VIIS0080
 Location: CRUZ BAY CREEK - NPS DOCK
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.335142/ -64.794920

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_CBND29
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	62	28.15	28.021	29.8	25.3	1.345	1.16	26.43	26.9	29.	29.4
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	60	30.	39.3	100.	0.	828.519	28.784	5.	15.	63.75	80.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	59	5.	4.051	10.	0.	4.937	2.222	0.	2.5	5.	5.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	41	2.	4.802	21.	0.1	34.972	5.914	0.4	1.05	6.35	16.48
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	55	1.3	1.392	3.33	0.5	0.341	0.584	0.68	1.	2.	2.076
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	56	54050.	45353.339	55900.	52.	401071542.628	20026.771	55.	52425.	54675.	55160.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	62	5.8	5.884	7.	5.	0.172	0.414	5.43	5.6	6.2	6.4
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-10/26/94	54	7.74	7.719	8.58	7.25	0.109	0.33	7.335	7.395	7.97	8.175
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-10/26/94	54	7.74	7.612	8.58	7.25	0.12	0.347	7.335	7.395	7.97	8.175
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-10/26/94	54	0.018	0.024	0.056	0.003	0.	0.016	0.007	0.011	0.04	0.046
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	57	35.8	35.611	37.3	32.2	1.027	1.014	34.16	34.9	36.3	36.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-01/17/95	13	0.012	0.016	0.041	0.002	0.	0.012	0.004	0.009	0.02	0.041
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/17/95	13	0.002	0.002	0.002	0.	0.	0.001	0.001	0.001	0.002	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-01/17/95	13	0.003	0.003	0.009	0.	0.	0.002	0.	0.002	0.004	0.007
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-01/17/95	13	0.005	0.005	0.01	0.001	0.	0.002	0.001	0.004	0.005	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-01/17/95	13	0.007	0.008	0.03	0.001	0.	0.007	0.002	0.005	0.009	0.022
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	57	1.8	2.621	10.5	0.2	4.473	2.115	0.68	1.1	3.55	5.76
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	61	2.	2.164	4.	0.8	0.603	0.776	1.04	1.5	3.	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0080

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	62	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						29	0	0.00	14	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	54	0	0.00	24	0	0.00	13	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	54	0	0.00	24	0	0.00	13	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	57	0	0.00	28	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.5	27.933	29.3	26.4	1.433	1.197	26.4	26.6	29.05	29.3
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	40.444	99.	5.	788.028	28.072	5.	20.	55.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	4.222	5.	0.	2.944	1.716	0.	4.	5.	5.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.5	1.511	2.3	0.5	0.379	0.615	0.5	1.	2.15	2.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54150.	54100.	54400.	53700.	100000.	316.228	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.	5.9	6.4	5.2	0.125	0.354	5.2	5.7	6.15	6.4
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.7	35.32	36.	33.5	1.072	1.035	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	1.	1.9	7.	0.2	5.867	2.422	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	2.678	3.3	0.8	0.562	0.75	0.8	2.5	3.	3.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	28.05	27.567	29.6	25.3	2.411	1.553	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	50.	47.333	99.	0.	1116.667	33.417	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	5.	4.167	5.	0.	4.167	2.041	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	4	0.75	1.	2.	0.5	0.5	0.707	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	52450.	52400.	53000.	51700.	188000.	433.59	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	5.95	5.917	6.3	5.4	0.142	0.376	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	34.5	34.5	34.9	34.	0.092	0.303	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	1.55	1.783	3.3	0.9	0.794	0.891	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	2.5	2.417	3.	1.5	0.442	0.665	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	8	28.85	28.263	29.4	26.3	1.577	1.256	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	8	60.	59.375	95.	30.	517.411	22.747	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	8	5.	3.75	5.	0.	5.357	2.315	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	6	1.75	1.65	2.	0.9	0.195	0.442	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	8	54200.	54300.	55100.	53600.	280000.	529.15	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	8	5.85	5.9	6.3	5.6	0.089	0.298	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	8	35.85	35.925	36.6	35.4	0.179	0.423	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	3.5	3.386	6.7	0.9	3.531	1.879	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	8	3.	2.738	4.	0.9	0.766	0.875	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	27.95	28.12	29.8	26.5	1.502	1.225	26.54	26.975	29.4	29.79
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	17.5	27.5	75.	5.	606.944	24.636	5.5	10.	46.25	74.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	3.25	3.65	7.5	0.	4.336	2.082	0.25	2.5	5.	7.25
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	1.	1.03	2.	0.5	0.176	0.419	0.5	0.875	1.075	1.93
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54400.	53988.889	55800.	51300.	2188611.111	1479.396	51300.	52750.	55250.	55800.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	5.85	6.12	7.	5.5	0.328	0.573	5.51	5.675	6.675	6.99
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.678	37.1	33.7	1.207	1.099	33.7	34.75	36.6	37.1
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	3.6	4.389	10.5	0.9	10.551	3.248	0.9	1.55	7.05	10.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	1.9	1.91	3.5	1.	0.528	0.726	1.	1.375	2.125	3.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.7	28.364	29.8	26.3	1.657	1.287	26.36	26.7	29.4	29.74
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	37.222	80.	10.	613.194	24.763	10.	17.5	57.5	80.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	8	2.5	2.813	5.	1.	2.353	1.534	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	1.1	1.163	1.5	0.8	0.066	0.256	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54300.	54136.364	55300.	52400.	716545.455	846.49	52520.	53600.	54700.	55240.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	5.9	6.009	6.6	5.6	0.111	0.333	5.6	5.7	6.2	6.56
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.9	35.764	36.6	34.5	0.413	0.642	34.58	35.4	36.3	36.56
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	3.	2.87	5.6	0.5	3.265	1.807	0.53	1.1	4.1	5.6
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	1.5	1.62	2.7	1.	0.268	0.518	1.02	1.275	1.925	2.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	27.878	28.9	25.9	1.189	1.091	25.9	26.95	28.85	28.9
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	40.	80.	5.	850.	29.155	5.	15.	72.5	80.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	4.333	7.	0.	3.75	1.936	0.	3.5	5.	7.
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.37	1.52	2.13	1.	0.181	0.426	1.	1.19	2.02	2.13
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54700.	54744.444	55900.	53200.	642777.778	801.734	53200.	54300.	55300.	55900.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	5.6	5.622	6.2	5.	0.174	0.418	5.	5.3	6.05	6.2
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.9	37.3	32.2	2.347	1.532	32.2	35.45	36.85	37.3
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.2	1.322	2.5	0.6	0.359	0.6	0.6	0.8	1.7	2.5
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	1.8	1.778	2.2	1.3	0.104	0.323	1.3	1.45	2.05	2.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.	27.811	28.9	26.7	0.519	0.72	26.7	27.1	28.3	28.9
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	29.444	100.	0.	1284.028	35.833	0.	5.	55.	100.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.333	10.	0.5	11.063	3.326	0.5	2.5	8.75	10.
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.52	1.753	3.33	1.	0.651	0.807	1.	1.	2.335	3.33
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55.	54.111	56.	52.	2.111	1.453	52.	52.5	55.	56.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	5.8	5.678	6.1	5.	0.117	0.342	5.	5.45	5.9	6.1
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.1	35.689	37.	34.	1.156	1.075	34.	34.65	36.6	37.
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.7	2.4	4.9	1.1	2.143	1.464	1.1	1.25	3.7	4.9
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.1	2.244	3.6	1.	0.713	0.844	1.	1.65	3.	3.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	29	28.9	28.728	29.8	26.9	0.656	0.81	27.3	28.2	29.4	29.7
00032	CLOUD COVER (PERCENT)	29	30.	44.931	100.	5.	1085.067	32.94	5.	17.5	77.5	99.
00035	WIND VELOCITY (MILES PER HOUR)	29	4.	3.586	7.5	0.	5.037	2.244	0.	2.25	5.	7.
00078	TRANSPARENCY, SECCHI DISC (METERS)	26	1.4	1.491	3.33	0.5	0.455	0.674	0.5	1.	2.	2.292
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	28	54050.	46264.857	55900.	52.	370088721.831	19237.69	54.9	52600.	54400.	55140.
00300	OXYGEN, DISSOLVED MG/L	29	5.6	5.655	6.4	5.	0.108	0.328	5.1	5.5	5.85	6.1
00406	PH, FIELD, STANDARD UNITS SU	24	7.745	7.685	8.1	7.25	0.075	0.274	7.32	7.365	7.855	8.09
00406	CONVERTED PH, FIELD, STANDARD UNITS	24	7.745	7.603	8.1	7.25	0.082	0.286	7.32	7.365	7.855	8.09
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	24	0.018	0.025	0.056	0.008	0.	0.016	0.008	0.014	0.043	0.048
00480	SALINITY - PARTS PER THOUSAND	28	35.75	35.514	37.3	32.2	1.17	1.082	33.97	35.025	36.1	36.81
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	28	1.9	3.032	10.5	0.3	6.824	2.612	0.59	1.1	4.6	7.07
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	28	2.05	2.236	4.	0.8	0.681	0.825	1.	1.55	3.	3.32

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	14	26.5	26.414	26.9	25.3	0.177	0.42	25.6	26.275	26.7	26.9
00032	CLOUD COVER (PERCENT)	13	30.	31.538	70.	5.	497.436	22.303	5.	10.	50.	66.
00035	WIND VELOCITY (MILES PER HOUR)	13	5.	4.731	10.	2.5	3.526	1.878	2.7	3.	5.	8.
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	1.	1.088	1.5	0.5	0.114	0.337	0.5	1.	1.435	1.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12	53800.	44992.333	55300.	53.	441536829.879	21012.778	53.6	52450.	54675.	55210.
00300	OXYGEN, DISSOLVED MG/L	14	6.1	6.057	6.6	5.3	0.152	0.39	5.45	5.675	6.325	6.6
00406	PH, FIELD, STANDARD UNITS SU	13	7.69	7.729	8.32	7.35	0.101	0.318	7.358	7.43	7.97	8.256
00406	CONVERTED PH, FIELD, STANDARD UNITS	13	7.69	7.635	8.32	7.35	0.111	0.333	7.358	7.43	7.97	8.256
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	13	0.02	0.023	0.045	0.005	0.	0.014	0.006	0.011	0.037	0.044
00480	SALINITY - PARTS PER THOUSAND	13	36.	35.485	36.6	33.5	0.848	0.921	33.9	34.8	36.2	36.52
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	13	2.3	2.5	5.6	0.9	2.018	1.421	0.94	1.45	3.45	5.2
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	14	1.95	2.1	3.	1.	0.468	0.684	1.15	1.475	2.775	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.	28.126	29.3	26.7	0.585	0.765	27.2	27.3	28.7	29.3
00032	CLOUD COVER (PERCENT)	18	32.5	35.833	80.	0.	624.265	24.985	0.	15.	53.75	75.5
00035	WIND VELOCITY (MILES PER HOUR)	17	5.	4.324	10.	0.	5.592	2.365	0.	3.75	5.	6.
00078	TRANSPARENCY, SECCHI DISC (METERS)	16	1.48	1.478	2.3	0.8	0.273	0.523	0.87	1.	2.	2.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54100.	44028.938	55800.	52.	477116097.796	21842.987	54.1	52250.	55025.	55590.
00300	OXYGEN, DISSOLVED MG/L	19	6.1	6.105	7.	5.6	0.145	0.381	5.7	5.8	6.2	6.9
00406	PH, FIELD, STANDARD UNITS SU	17	7.74	7.759	8.58	7.32	0.173	0.416	7.344	7.375	8.165	8.324
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.74	7.607	8.58	7.32	0.197	0.444	7.344	7.375	8.165	8.324
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.018	0.025	0.048	0.003	0.	0.017	0.005	0.007	0.042	0.045
00480	SALINITY - PARTS PER THOUSAND	16	36.1	35.881	37.1	34.2	0.942	0.97	34.34	34.875	36.75	37.03
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	1.5	2.	5.6	0.2	2.06	1.435	0.41	0.95	2.85	4.27
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	2.	2.105	3.6	0.9	0.635	0.797	1.	1.5	3.	3.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0081

NPS Station ID: VIIS0081
 Location: CRUZ BAY CREEK-50 FT NO OF RAMP
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin: DEPTH 2.25/3 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.334171/ -64.794726

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 43C /STJ43C
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	59	27.7	27.51	30.	23.8	2.228	1.493	25.4	26.5	28.8	29.2
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	53	1.9	2.309	9.	0.3	2.556	1.599	0.74	1.25	2.95	4.46
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	55	1.9	2.047	3.	0.	0.539	0.734	1.1	1.5	3.	3.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	23	6.2	6.2	7.1	5.6	0.11	0.332	5.8	6.	6.4	6.66
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	36	6.2	6.136	7.	4.7	0.247	0.497	5.47	5.775	6.4	6.83
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	47	8.2	8.189	8.45	8.	0.009	0.096	8.05	8.1	8.25	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	47	8.2	8.179	8.45	8.	0.009	0.096	8.05	8.1	8.25	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	47	0.006	0.007	0.01	0.004	0.	0.001	0.005	0.006	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/29/73-09/30/86	53	35.9	35.745	37.5	30.7	0.994	0.997	35.	35.2	36.3	36.76
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-03/18/86	6	28.	26.333	49.	9.	232.667	15.253	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	7	0.01	0.009	0.01	0.005	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	6	0.1	3.417	10.1	0.05	26.801	5.177	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/85-03/18/86	7	0.01	0.015	0.03	0.005	0.	0.01	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	62	6.5	147.411	2250.	0.	163312.717	404.12	0.	0.	59.5	350.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	62	0.812	1.022	3.352	-0.301	1.118	1.058	0.	0.	1.772	2.544
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.531								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	2.	6.	0.	12.	3.464	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.259	0.778	0.	0.202	0.449	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.817								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	11	2.6	2.6	5.4	0.3	1.744	1.321	0.46	1.8	3.2	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

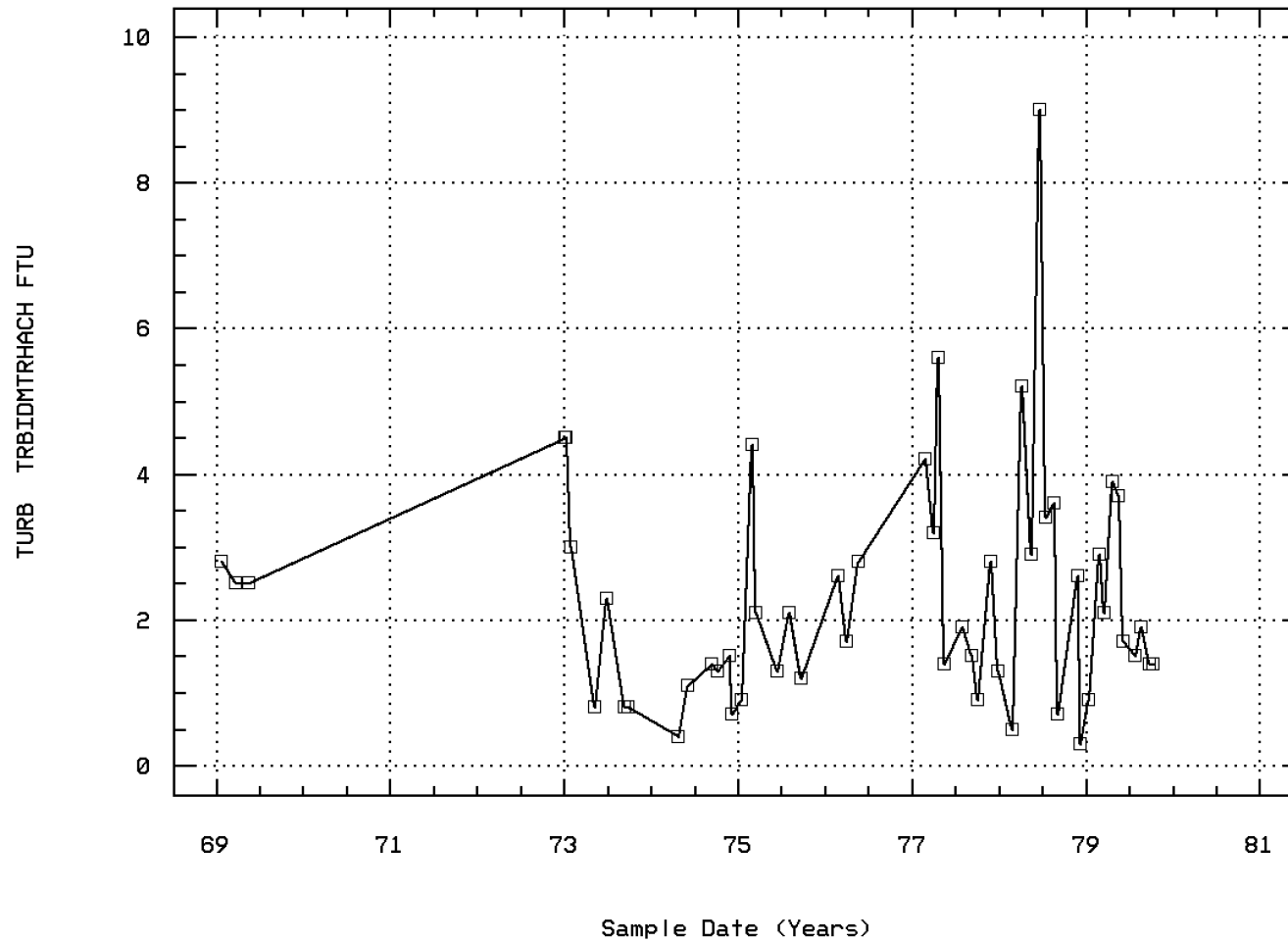
EPA Water Quality Criteria Analysis for Station: VIIS0081

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	53	0	0.00	21	0	0.00	13	0	0.00	19	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	12	0	0.00	4	0	0.00	7	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	36	0	0.00	11	0	0.00	11	0	0.00	14	0	0.00		
00400	PH	Other-Hi Lim.	9.	47	0	0.00	19	0	0.00	11	0	0.00	17	0	0.00		
		Other-Lo Lim.	6.5	47	0	0.00	19	0	0.00	11	0	0.00	17	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	62	12	0.19	24	2	0.08	16	7	0.44	22	3	0.14		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

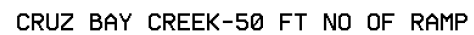
Station: VIIS0081 Parameter Code: 00076

TURBIDITY, HACH TURBIDIMETER (FORMAZIN T



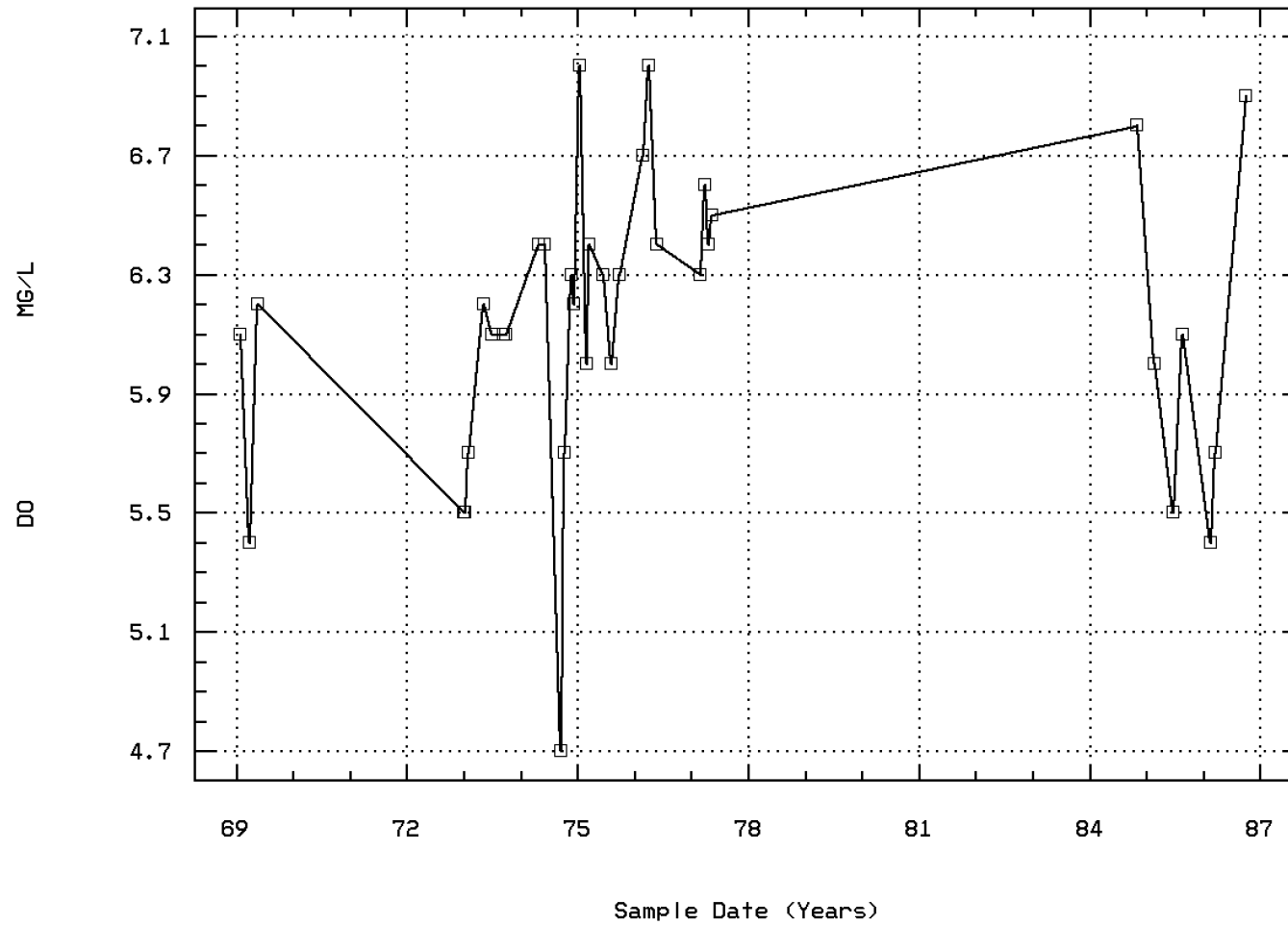
CRUZ BAY CREEK-50 FT NO OF RAMP

TRANSPARENCY, SECCHI DISC (METERS)



Station: VIIS0081 Parameter Code: 00300

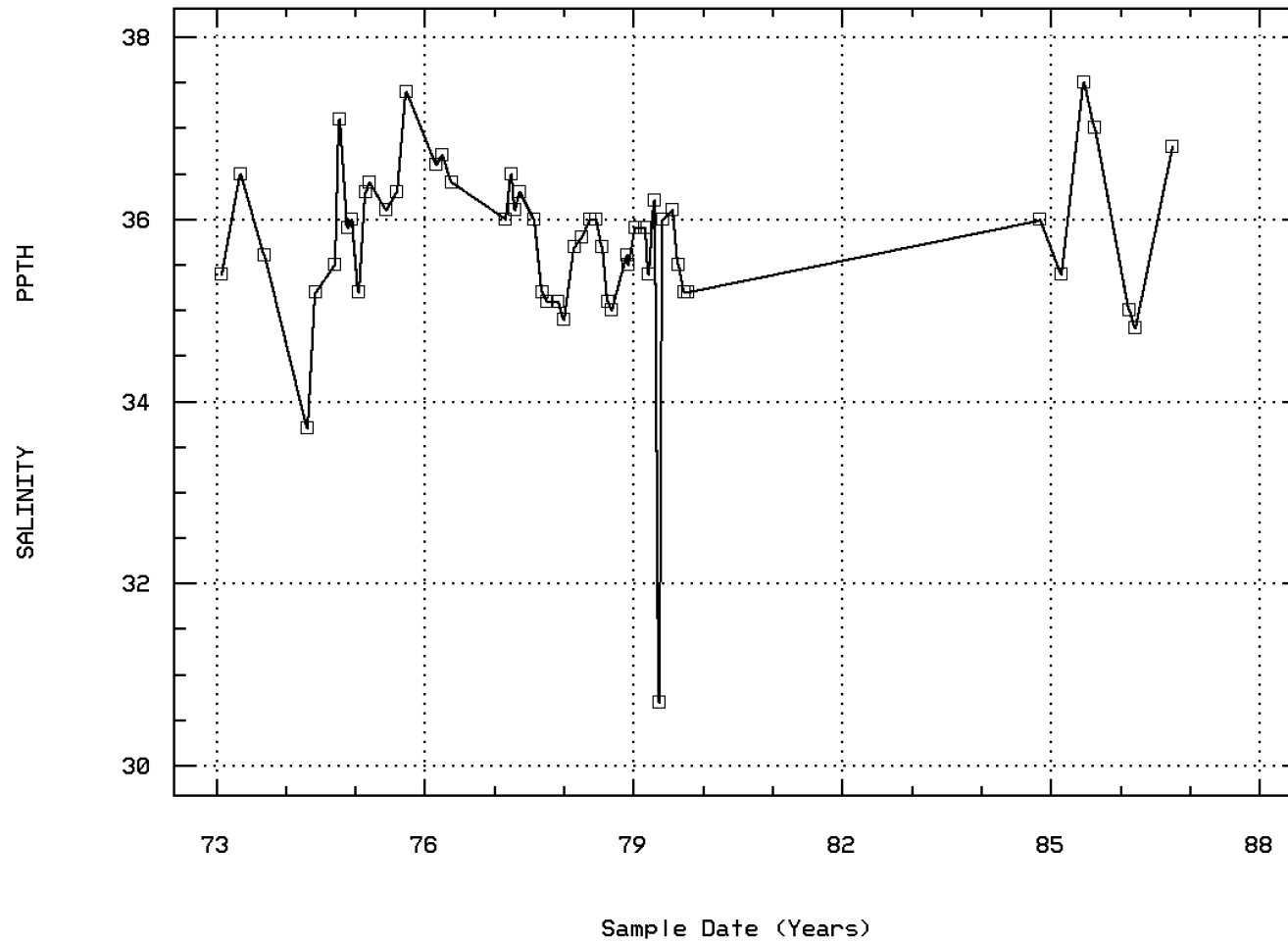
OXYGEN, DISSOLVED



CRUZ BAY CREEK-50 FT NO OF RAMP

Station: VIIS0081 Parameter Code: 00480

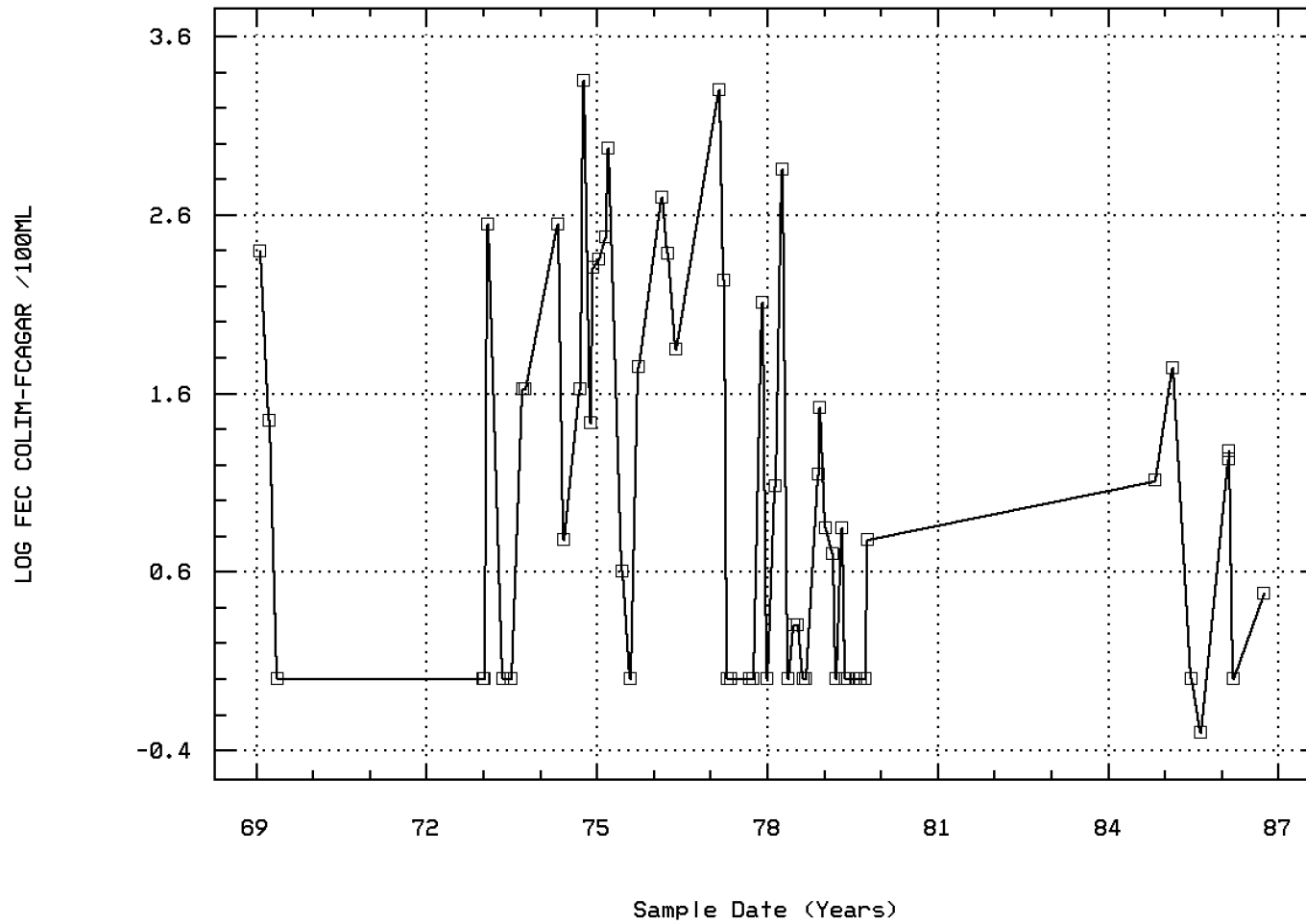
SALINITY - PARTS PER THOUSAND



CRUZ BAY CREEK-50 FT NO OF RAMP

Station: VIIS0081 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY CREEK-50 FT NO OF RAMP

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	24	28.65	28.479	30.	26.	1.164	1.079	26.75	28.	29.1	29.95
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	21	1.4	1.605	3.6	0.3	0.779	0.883	0.7	0.85	2.	3.28
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	23	2.3	2.23	3.	1.	0.533	0.73	1.18	1.5	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	11	6.1	6.109	6.9	4.7	0.335	0.579	4.9	6.	6.3	6.88
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	19	8.19	8.163	8.3	8.	0.007	0.083	8.05	8.1	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	19	8.19	8.155	8.3	8.	0.007	0.083	8.05	8.1	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	19	0.006	0.007	0.01	0.005	0.	0.001	0.005	0.006	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/29/73-09/30/86	23	35.6	35.822	37.4	35.	0.486	0.697	35.1	35.2	36.1	37.06
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	24	9.5	119.729	2250.	0.	208072.76	456.15	0.	0.125	42.	164.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	24	0.946	0.915	3.352	-0.301	0.913	0.956	0.	-0.075	1.623	2.204
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			8.22								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	15	25.8	25.753	27.	23.8	0.804	0.897	24.52	25.	26.5	26.94
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	13	2.8	2.662	4.5	0.5	2.116	1.455	0.66	1.1	4.3	4.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	1.7	1.938	3.	1.	0.366	0.605	1.2	1.5	2.4	3.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	11	6.	6.055	7.	5.4	0.267	0.516	5.42	5.5	6.4	6.94
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	11	8.2	8.205	8.4	8.05	0.013	0.115	8.05	8.1	8.3	8.39
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	11	8.2	8.191	8.4	8.05	0.013	0.116	8.05	8.1	8.3	8.39
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	11	0.006	0.006	0.009	0.004	0.	0.002	0.004	0.005	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/29/73-09/30/86	12	35.8	35.725	36.6	34.9	0.307	0.555	34.93	35.25	36.225	36.54
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	16	37.	292.25	2000.	0.	272944.867	522.441	0.	5.5	336.5	1258.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	16	1.51	1.601	3.301	0.	1.229	1.109	0.	0.736	2.526	3.071
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			39.876								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

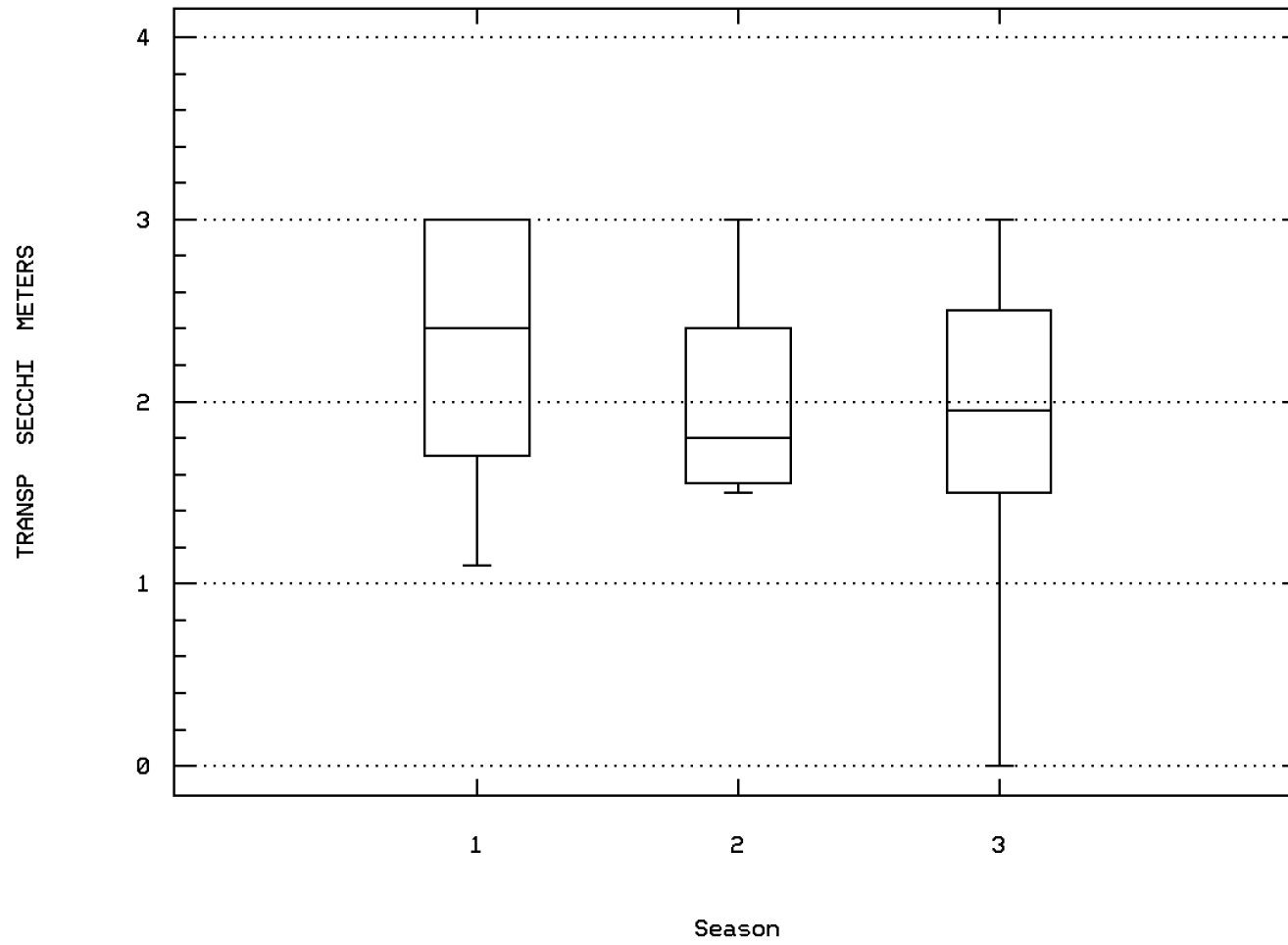
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	20	27.8	27.665	29.5	25.4	1.152	1.073	26.04	27.025	28.5	28.99
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	19	2.5	2.847	9.	0.4	4.133	2.033	0.8	1.4	3.7	5.6
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	19	1.9	1.9	3.	0.	0.648	0.805	1.	1.5	2.5	3.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	14	6.35	6.221	7.	5.4	0.188	0.434	5.45	6.	6.425	6.8
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	17	8.2	8.209	8.45	8.05	0.009	0.094	8.09	8.15	8.275	8.33
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	17	8.2	8.2	8.45	8.05	0.009	0.094	8.09	8.15	8.275	8.33
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	17	0.006	0.006	0.009	0.004	0.	0.001	0.005	0.005	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/29/73-09/30/86	18	36.05	35.661	37.5	30.7	2.197	1.482	33.4	35.35	36.425	36.78
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	22	1.	72.273	710.	0.	28760.874	169.59	0.	0.	38.5	317.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	22	0.	0.719	2.851	0.	1.006	1.003	0.	0.	1.547	2.495
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.24								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0081 Parameter Code: 00078

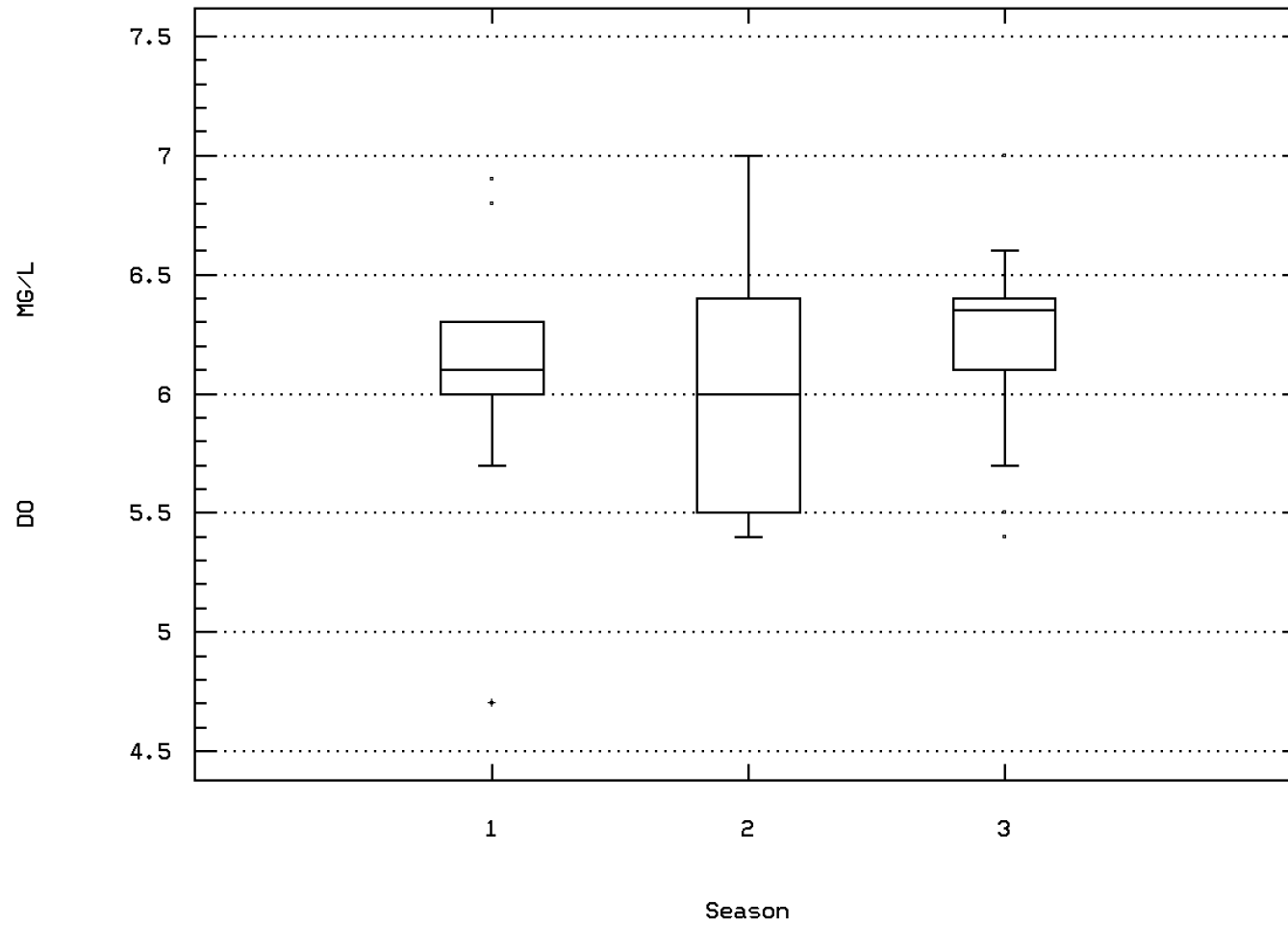
TRANSPARENCY, SECCHI DISC (METERS)



CRUZ BAY CREEK-50 FT NO OF RAMP

Station: VIIS0081 Parameter Code: 00300

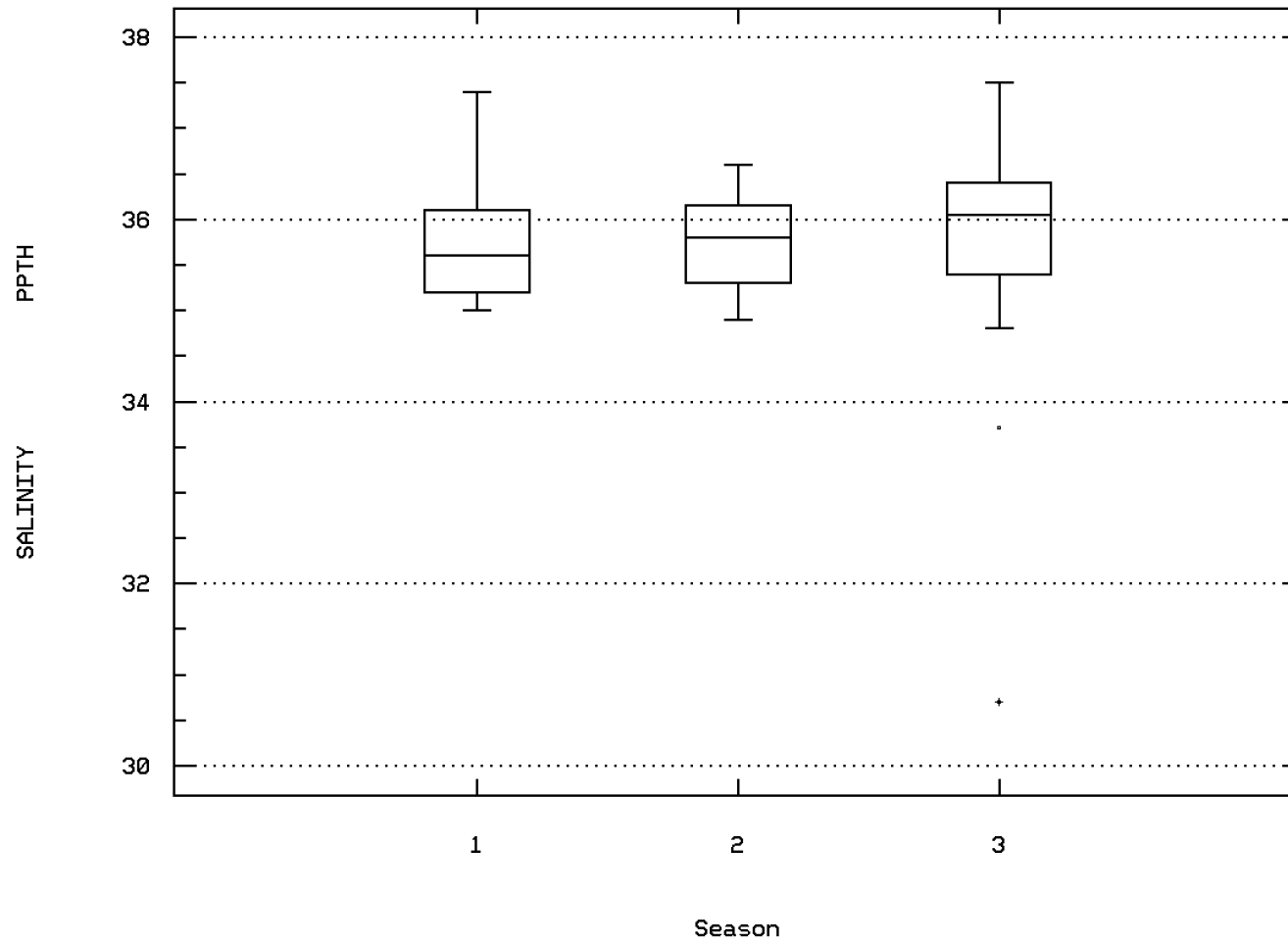
OXYGEN, DISSOLVED



CRUZ BAY CREEK-50 FT NO OF RAMP

Station: VIIS0081 Parameter Code: 00480

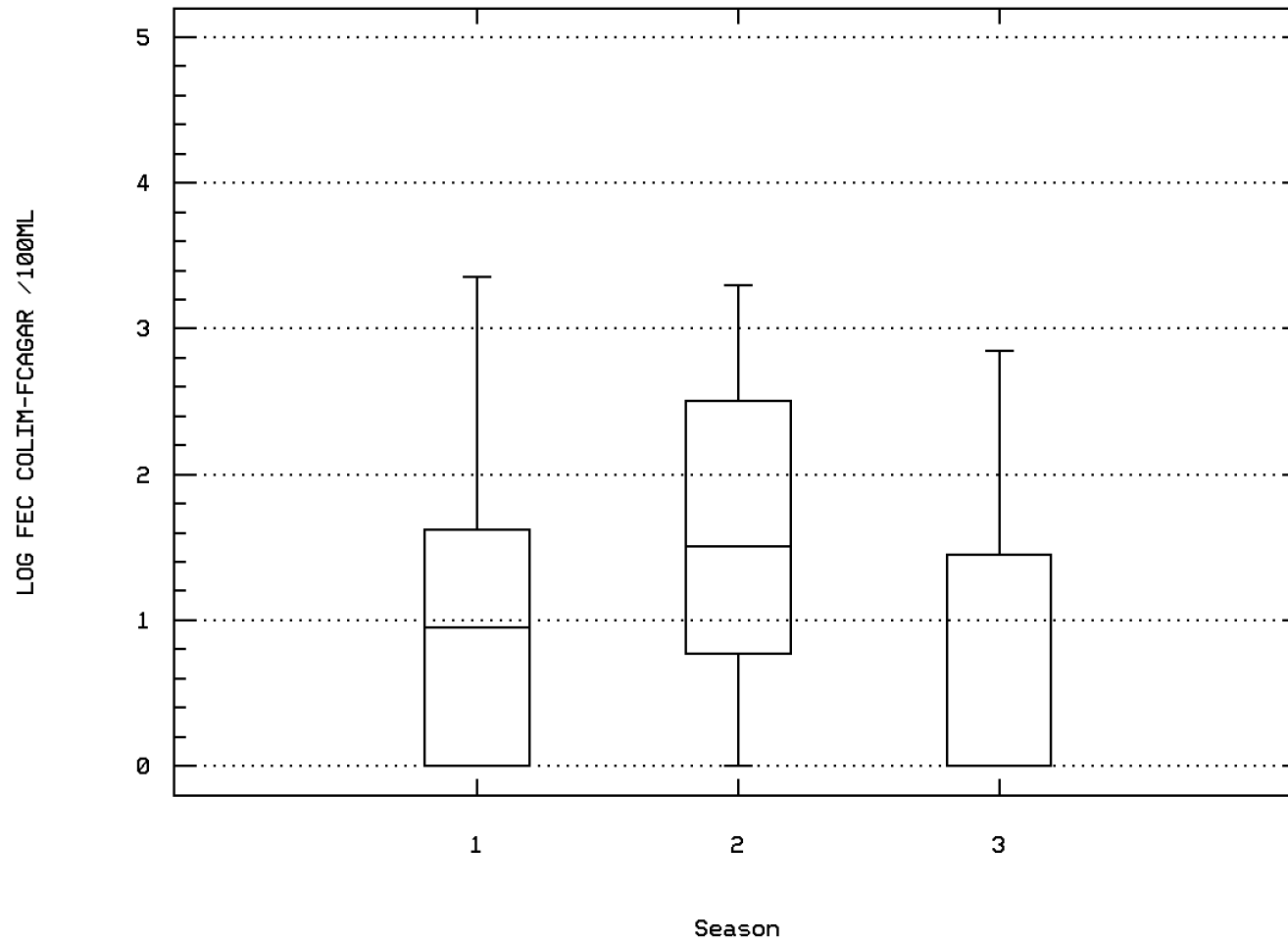
SALINITY - PARTS PER THOUSAND



CRUZ BAY CREEK-50 FT NO OF RAMP

Station: VIIS0081 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY CREEK-50 FT NO OF RAMP

Station Inventory for Station: VIIS0082

NPS Station ID: VIIS0082
 Location: CRUZ CRK MOUTH-50 FT OFF SEAPLANE RAMP 2.5/3.5 M
 Station Type: /TYP/A/MBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.335004/ -64.795281

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-43D
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/79-09/30/80	11	28.	27.855	29.	26.2	1.063	1.031	26.22	27.	28.9	28.98
00032 CLOUD COVER (PERCENT)	12/12/79-09/30/80	9	35.	33.778	100.	10.	771.194	27.77	10.	12.	40.	100.
00035 WIND VELOCITY (MILES PER HOUR)	12/12/79-09/30/80	10	10.	10.1	13.	8.	4.544	2.132	8.	8.	12.25	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/09/79-09/30/80	11	2.	2.055	3.	0.7	0.707	0.841	0.78	1.5	3.	3.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/09/79-09/30/80	11	6.2	6.573	8.3	6.	0.608	0.78	6.	6.1	6.9	8.2
00400 PH (STANDARD UNITS)	11/09/79-09/30/80	11	8.2	8.15	8.25	8.	0.008	0.089	8.	8.1	8.2	8.25
00400 CONVERTED PH (STANDARD UNITS)	11/09/79-09/30/80	11	8.2	8.141	8.25	8.	0.008	0.09	8.	8.1	8.2	8.25
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/79-09/30/80	11	0.006	0.007	0.01	0.006	0.	0.002	0.006	0.006	0.008	0.01
00480 SALINITY - PARTS PER THOUSAND	11/09/79-09/30/80	11	35.9	35.8	37.1	34.7	0.474	0.688	34.7	35.5	36.3	36.94
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/09/79-09/30/80	11	1.	13.227	109.	0.5	1031.568	32.118	0.5	0.5	8.	90.2
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/09/79-09/30/80	11	0.	0.347	2.037	-0.301	0.639	0.799	-0.301	-0.301	0.903	1.865
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			2.223								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/09/79-09/30/80	11	1.9	2.2	5.	1.	1.308	1.144	1.02	1.3	2.5	4.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0082

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0083

NPS Station ID: VIIS0083
 Location: CRUZ BAY CREEK MOUTH
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN - 50 FT OFF
 Minor Basin: SEAPLANE RAMP. DEPTH 2.5/3.5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.335004/ -64.795281

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 43D /STJ43D
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	58	27.25	27.429	30.1	23.7	2.229	1.493	25.2	26.475	28.825	29.31
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	52	1.5	1.598	5.	0.2	0.79	0.889	0.6	1.	2.	2.64
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	54	2.5	2.233	3.	0.	0.877	0.936	0.	2.	3.	3.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	22	6.15	6.205	6.8	5.8	0.08	0.284	5.83	5.975	6.4	6.71
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	36	6.3	6.256	7.4	5.3	0.151	0.389	5.74	5.95	6.5	6.63
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	45	8.2	8.199	8.65	7.9	0.017	0.132	8.08	8.1	8.25	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	45	8.2	8.181	8.65	7.9	0.018	0.133	8.08	8.1	8.25	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	45	0.006	0.007	0.013	0.002	0.	0.002	0.004	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	52	35.75	35.779	38.	33.7	0.711	0.843	35.	35.2	36.275	36.87
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/18/86-03/18/86	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/86-03/18/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/18/86-03/18/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	56	0.	11.125	222.	0.	1191.839	34.523	0.	0.	4.5	24.9
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	56	0.	0.345	2.346	-0.301	0.424	0.651	0.	0.	0.644	1.396
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.211								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.1	0.301	0.	0.03	0.174	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.26								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	7	1.6	1.786	3.2	0.5	0.971	0.986	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

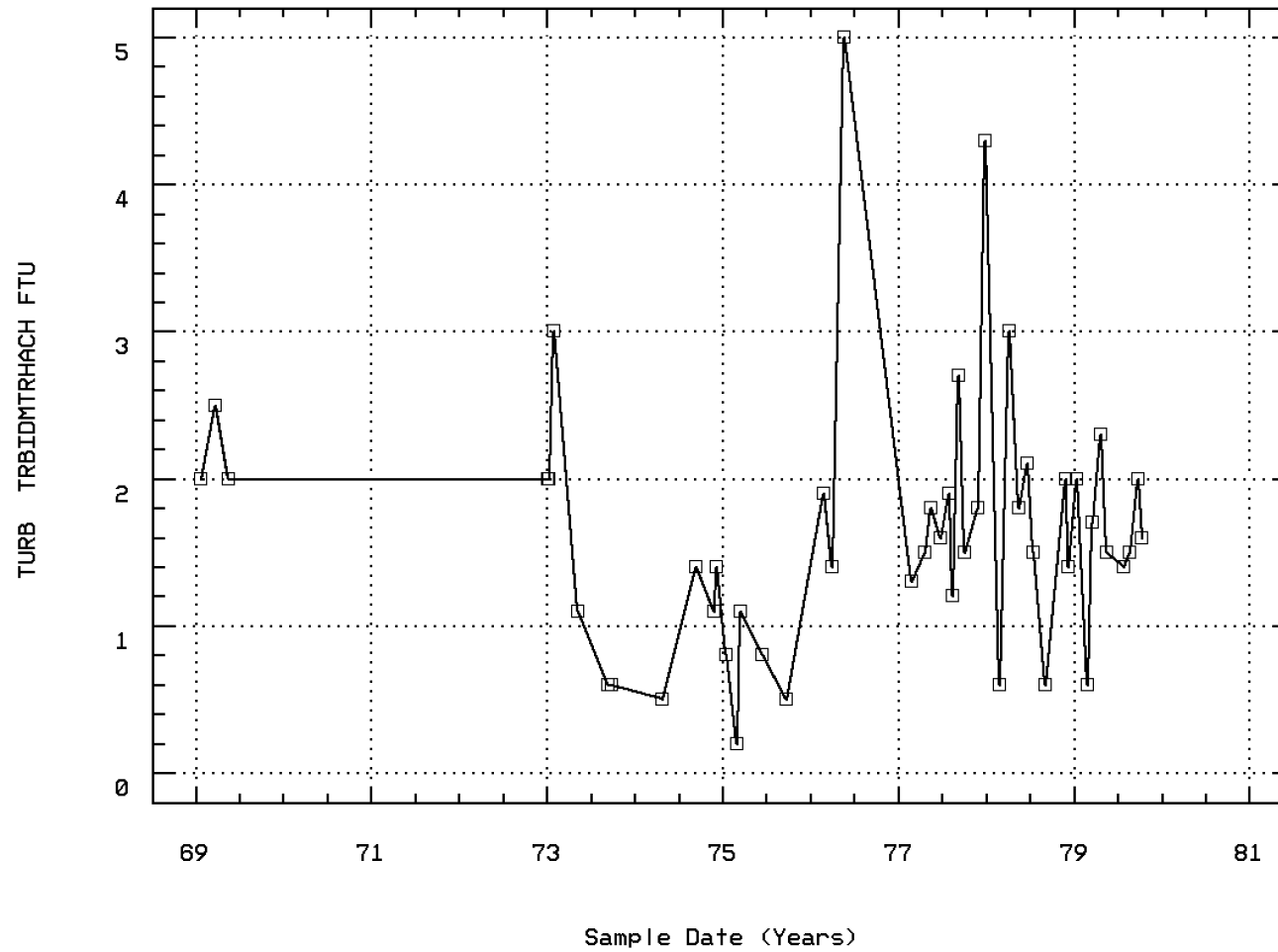
EPA Water Quality Criteria Analysis for Station: VIIS0083

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	52	0	0.00	20	0	0.00	13	0	0.00	19	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	22	0	0.00	11	0	0.00	4	0	0.00	7	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	36	0	0.00	11	0	0.00	11	0	0.00	14	0	0.00		
00400	PH	Other-Hi Lim.	9.	45	0	0.00	18	0	0.00	11	0	0.00	16	0	0.00		
		Other-Lo Lim.	6.5	45	0	0.00	18	0	0.00	11	0	0.00	16	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	56	1	0.02	21	1	0.05	14	0	0.00	21	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0083 Parameter Code: 00076

TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



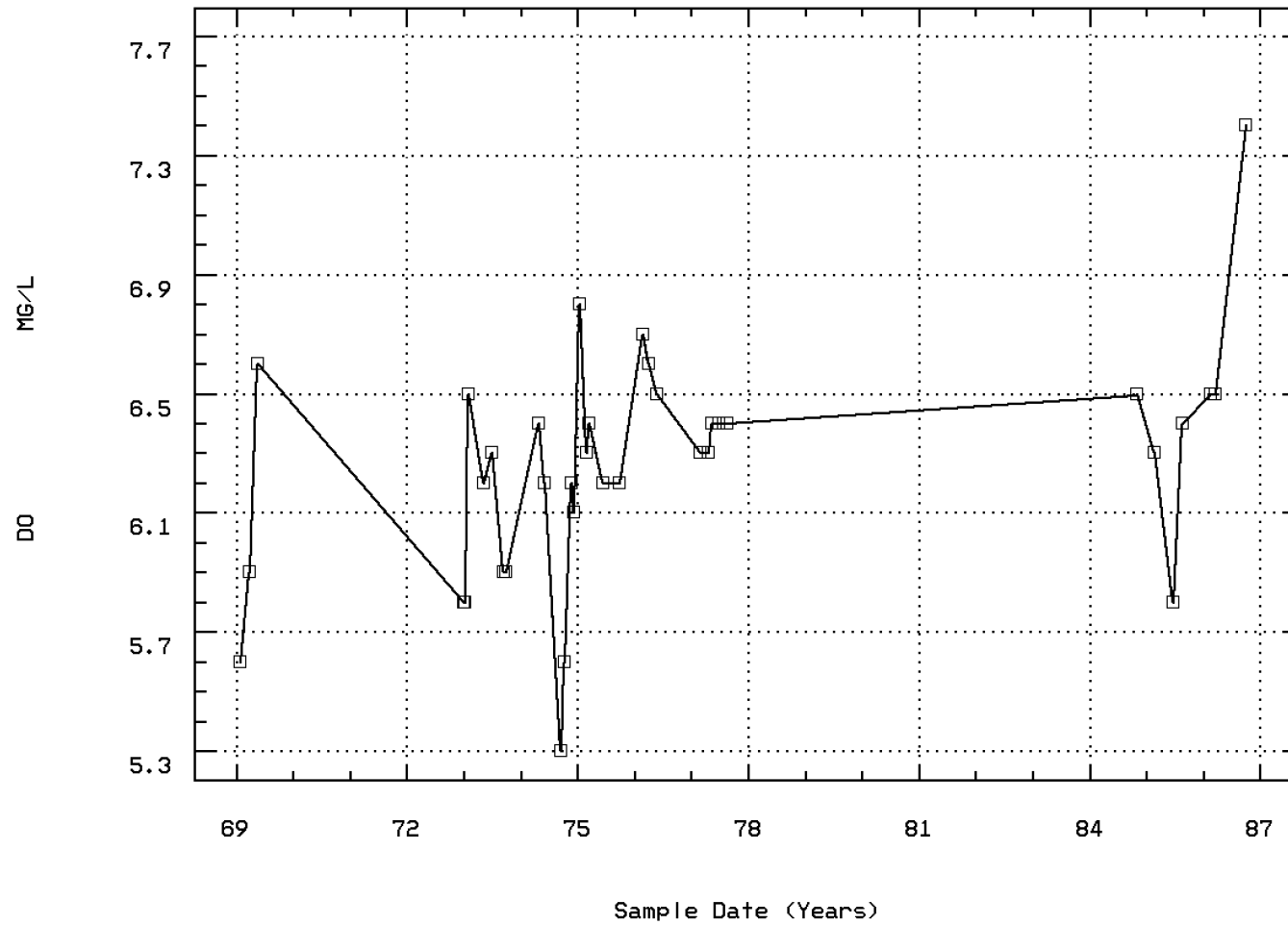
CRUZ BAY CREEK MOUTH

TRANSPARENCY, SECCHI DISC (METERS)



Station: VIIS0083 Parameter Code: 00300

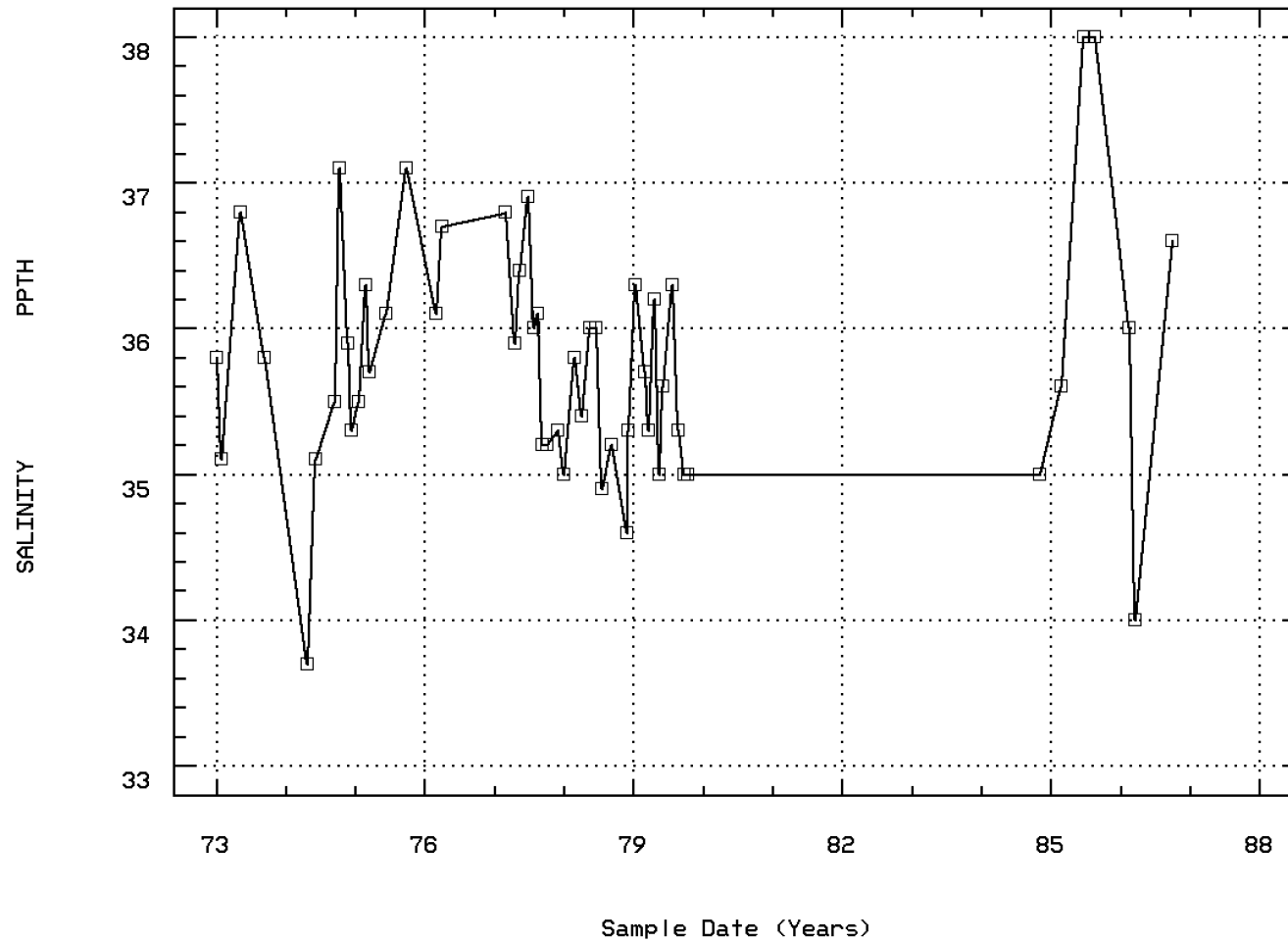
OXYGEN, DISSOLVED



CRUZ BAY CREEK MOUTH

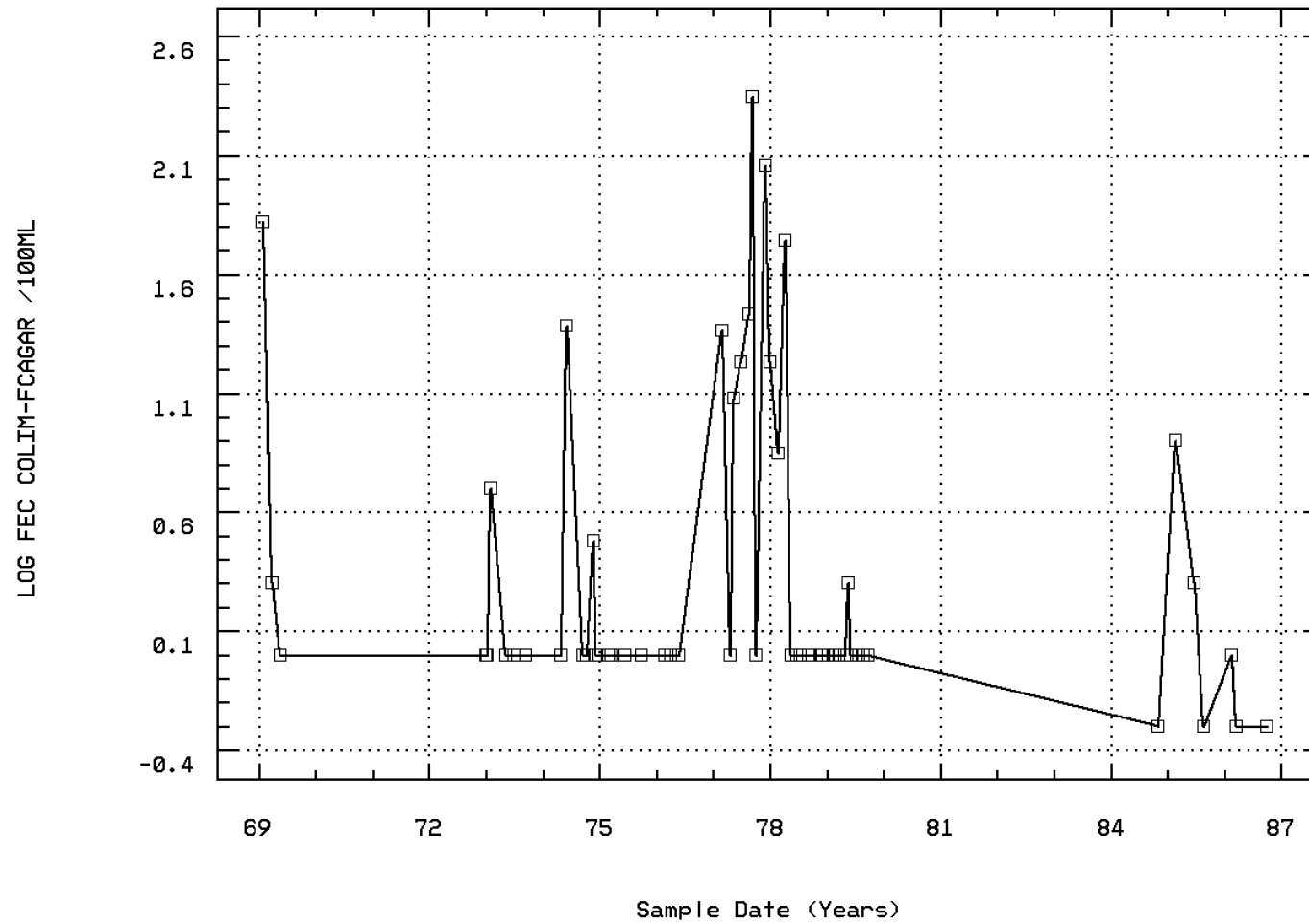
Station: VIIS0083 Parameter Code: 00480

SALINITY - PARTS PER THOUSAND



CRUZ BAY CREEK MOUTH

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY CREEK MOUTH

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	23	28.7	28.387	30.1	26.	1.349	1.162	26.46	27.2	29.2	29.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	20	1.4	1.385	2.7	0.5	0.311	0.558	0.6	1.025	1.75	2.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	22	2.95	2.273	3.	0.	1.068	1.033	0.	2.	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	11	6.2	6.173	7.4	5.3	0.296	0.544	5.36	5.9	6.4	7.22
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	18	8.2	8.162	8.3	8.	0.006	0.078	8.045	8.1	8.203	8.255
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	18	8.2	8.155	8.3	8.	0.006	0.078	8.045	8.1	8.203	8.255
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	18	0.006	0.007	0.01	0.005	0.	0.001	0.006	0.006	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	22	35.3	35.714	38.	34.6	0.735	0.857	34.93	35.15	36.15	37.1
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	21	0.	18.071	222.	0.	2813.132	53.039	0.	0.	2.	96.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	21	0.	0.305	2.346	-0.301	0.566	0.753	0.	0.	0.239	1.932
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.019								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	15	25.8	25.72	27.	23.7	0.742	0.861	24.42	25.2	26.5	26.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	13	1.9	1.677	4.3	0.2	1.237	1.112	0.36	0.7	2.	3.78
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	2.5	2.4	3.	1.5	0.202	0.449	1.7	2.	2.75	3.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	11	6.3	6.273	6.8	5.6	0.148	0.385	5.64	5.8	6.5	6.78
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	11	8.2	8.25	8.55	8.	0.023	0.15	8.03	8.15	8.4	8.52
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	11	8.2	8.228	8.55	8.	0.023	0.152	8.03	8.15	8.4	8.52
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	11	0.006	0.006	0.01	0.003	0.	0.002	0.003	0.004	0.007	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	35.8	35.823	36.8	35.	0.242	0.492	35.04	35.55	36.2	36.6
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	14	0.5	9.071	66.	0.	320.071	17.891	0.	0.	10.25	44.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	14	0.	0.49	1.82	0.	0.411	0.641	0.	0.	0.985	1.591
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3.09								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

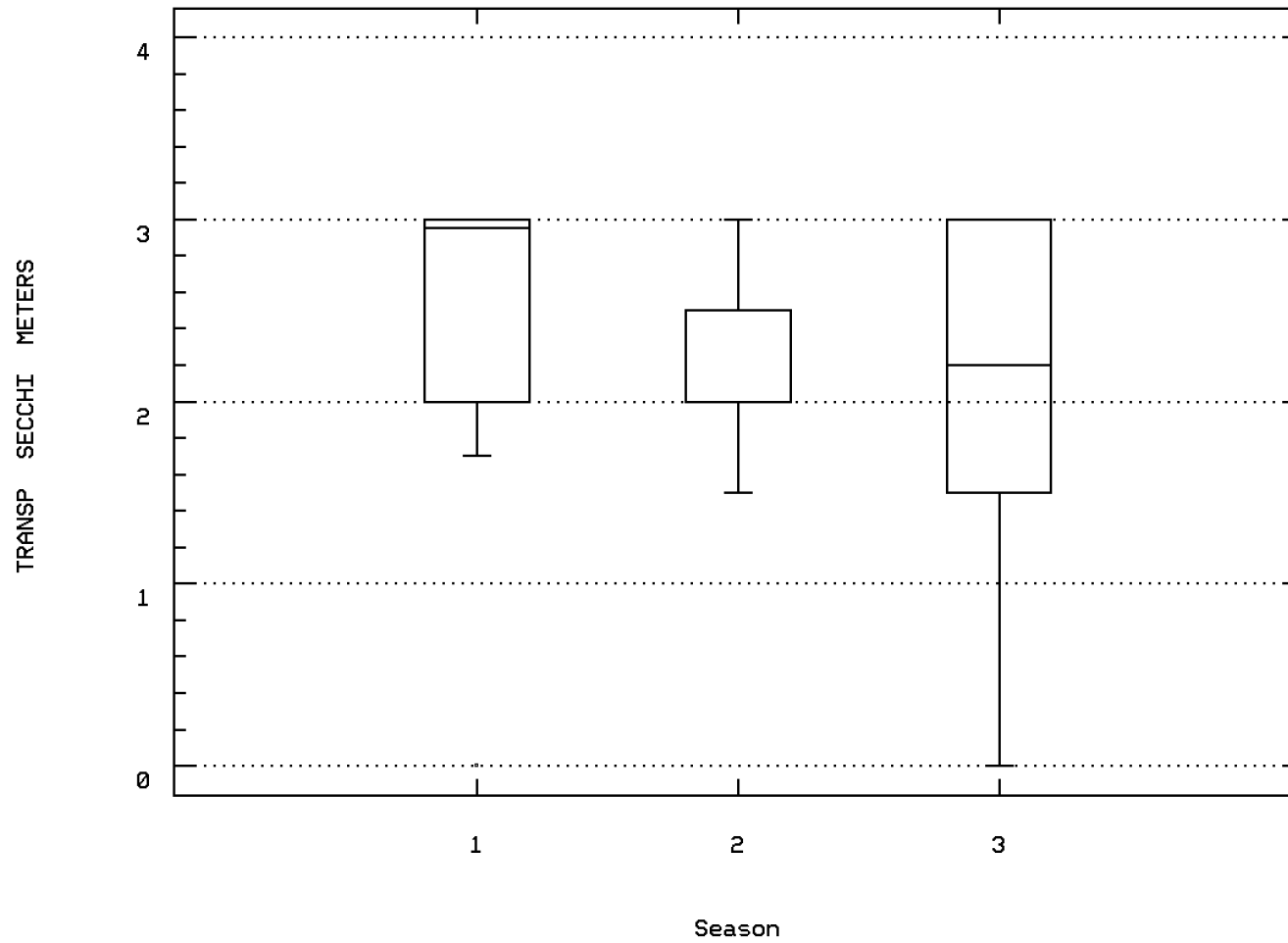
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	20	27.5	27.61	29.5	25.1	1.128	1.062	26.51	26.925	28.5	28.99
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	19	1.6	1.768	5.	0.5	1.001	1.001	0.8	1.	2.1	3.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	19	2.2	2.074	3.	0.	1.152	1.073	0.	1.5	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	14	6.35	6.307	6.6	5.8	0.056	0.237	5.85	6.2	6.5	6.6
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	16	8.2	8.206	8.65	7.9	0.025	0.159	8.04	8.113	8.238	8.475
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	16	8.2	8.182	8.65	7.9	0.026	0.161	8.04	8.112	8.237	8.475
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	16	0.006	0.007	0.013	0.002	0.	0.002	0.003	0.006	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	17	36.	35.829	38.	33.7	1.111	1.054	33.94	35.2	36.55	37.12
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	21	0.	5.548	55.	0.	170.098	13.042	0.	0.	2.	22.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	21	0.	0.287	1.74	-0.301	0.312	0.559	0.	0.	0.301	1.35
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.938								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0083 Parameter Code: 00078

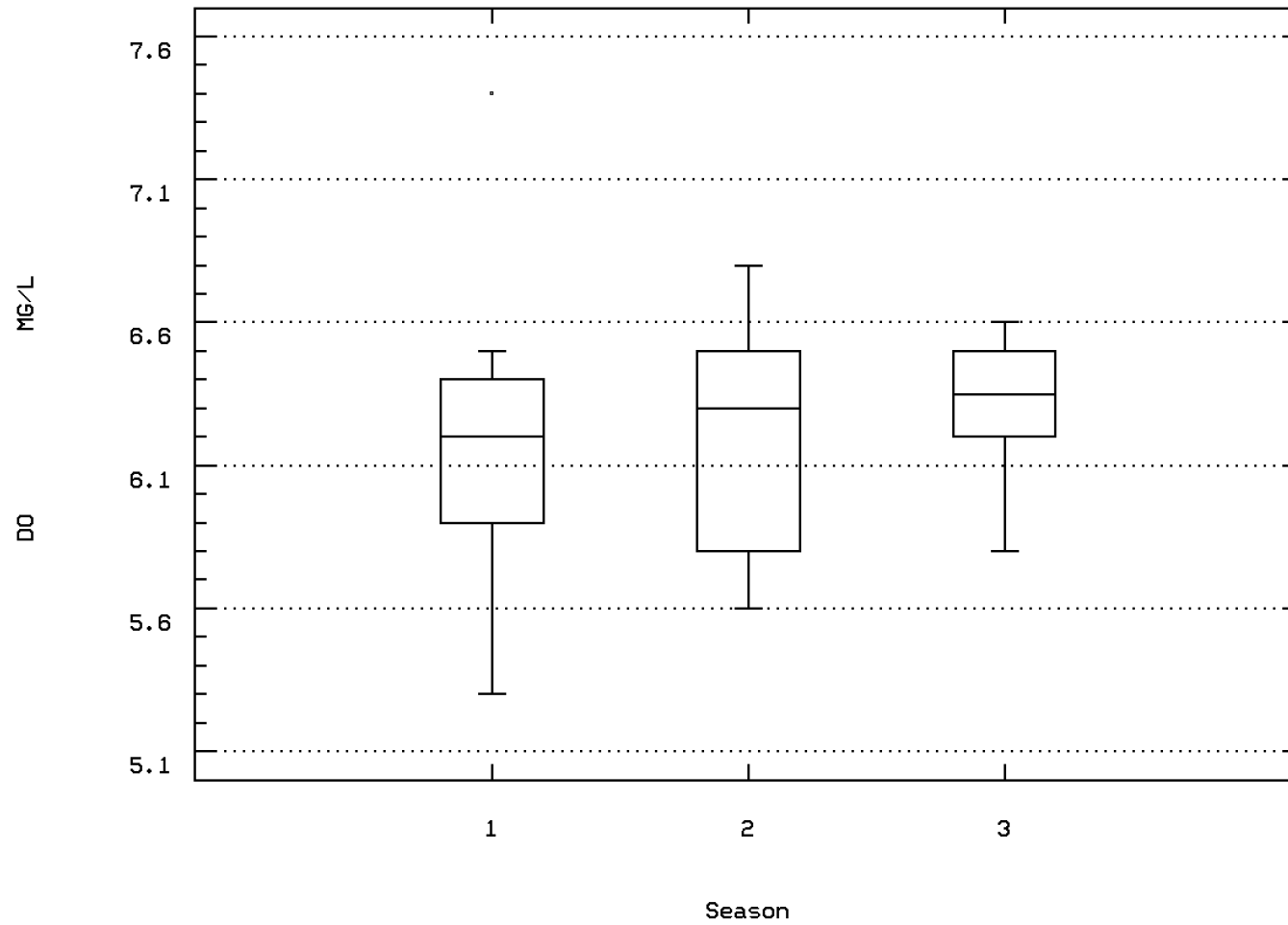
TRANSPARENCY, SECCHI DISC (METERS)



CRUZ BAY CREEK MOUTH

Station: VIIS0083 Parameter Code: 00300

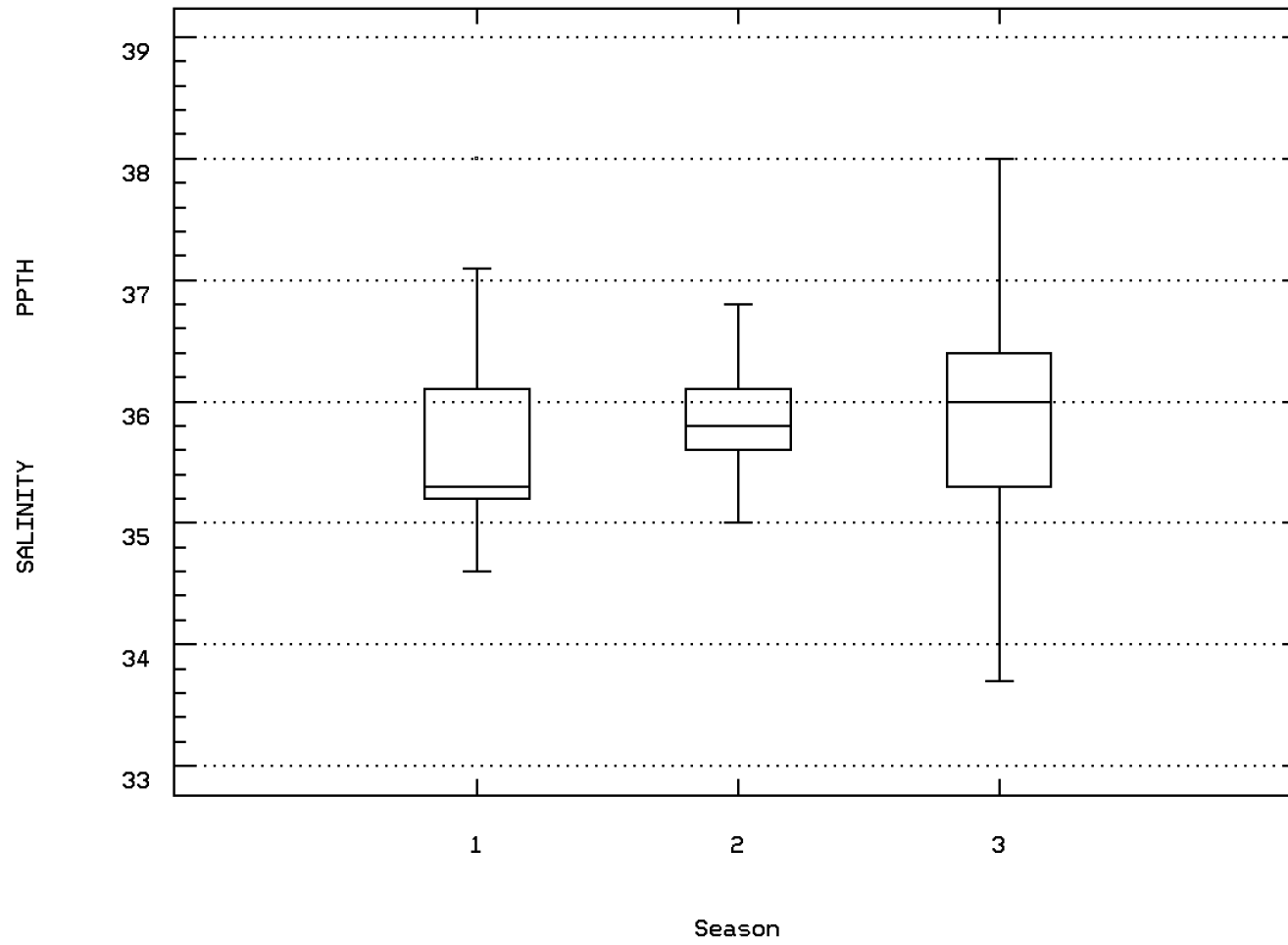
OXYGEN, DISSOLVED



CRUZ BAY CREEK MOUTH

Station: VIIS0083 Parameter Code: 00480

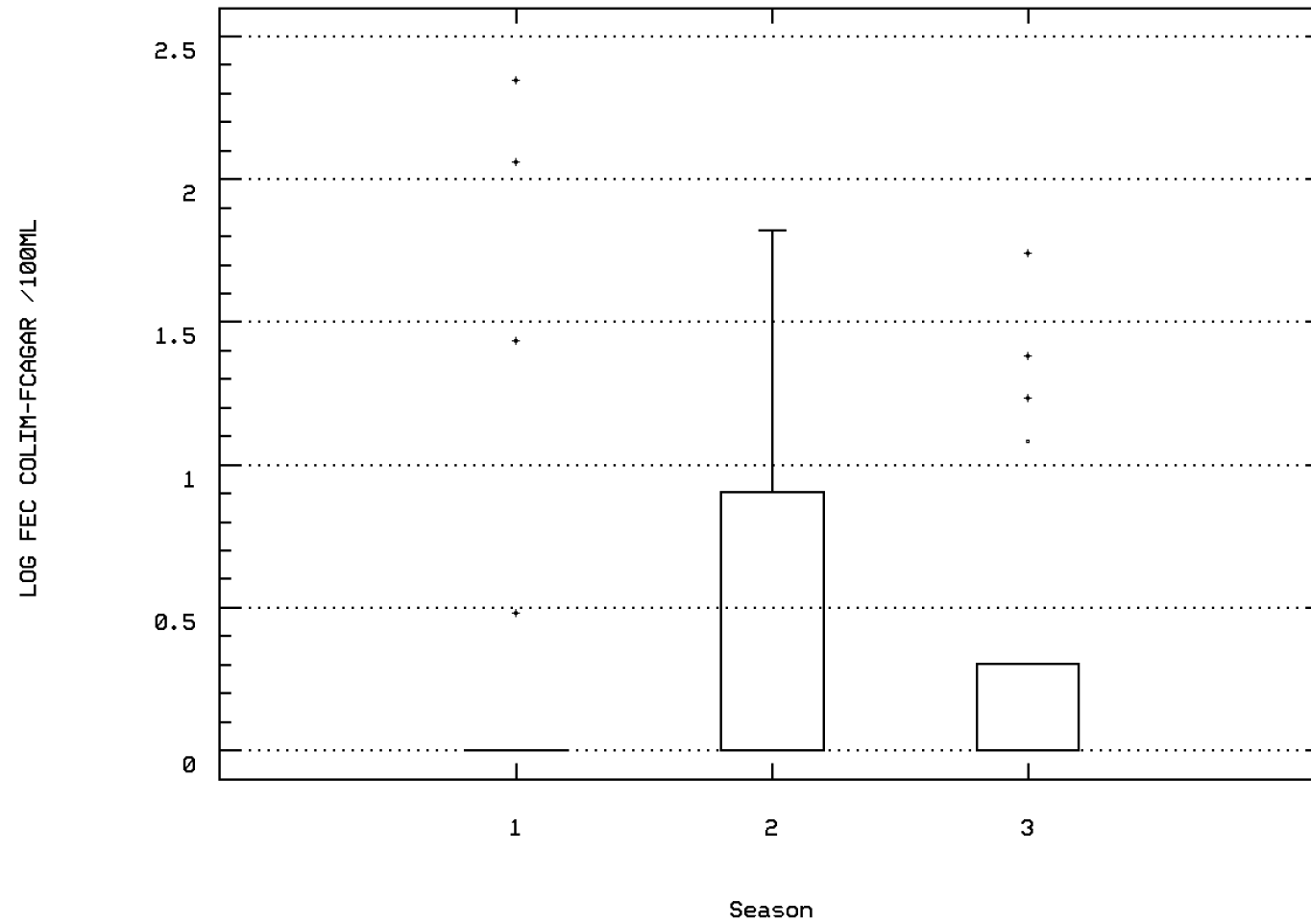
SALINITY - PARTS PER THOUSAND



CRUZ BAY CREEK MOUTH

Station: VIIS0083 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY CREEK MOUTH

Station Inventory for Station: VIIS0084

NPS Station ID: VIIS0084
 Location: CRUZ BAY D
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.334448/ -64.795837

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-53 /STJ-3 /STJ43D(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0084

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.9	28.633	29.	28.	0.303	0.551	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	5.4	5.7	6.8	5.2	0.553	0.744	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.45	33.45	33.7	33.2	0.125	0.354	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	35.	35.	43.	27.	128.	11.314	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.36	0.277	0.46	0.01	0.056	0.236	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.025	0.023	0.026	0.019	0.	0.004	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.95	3.95	4.	3.9	0.005	0.071	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/07/79	2 ##	15.5	15.5	30.	1.	420.5	20.506	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/09/79-11/09/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/07/79	2 ##	9.75	9.75	15.	4.5	55.125	7.425	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/07/79	2 ##	7.25	7.25	11.	3.5	28.125	5.303	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/09/79-11/09/79	1	78.	78.	78.	78.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/07/79	2 ##	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/09/79-11/09/79	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/07/79	2 ##	41.	41.	80.	2.	3042.	55.154	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/09/79-11/09/79	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/07/79	2	9660.	9660.	19000.	320.	174471200.	13208.755	**	**	**	**
01108 ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	11/09/79-11/09/79	1	19000.	19000.	19000.	19000.	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	11.5	705.75	2800.	0.	1949370.917	1396.199	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.812	1.268	3.447	0.	2.432	1.559	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.518								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	160.5	160.5	320.	1.	50880.5	225.567	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	1.253	1.253	2.505	0.	3.138	1.771	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			17.889								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/07/79	2 ##	0.4	0.4	0.7	0.1	0.18	0.424	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/09/79-11/09/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0084

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	4.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	43.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	2.9	1 &	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	95.	2	0	0.00	2	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	1	0.25	4	1	0.25									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	1	0.50	2	1	0.50									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0085

NPS Station ID: VIIS0085
 Location: CRUZ BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN-50FT NE (LEFT)
 Minor Basin: OF FERRY PIER CENTER-DEPTH 2.5/3 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.333337/ -64.795837

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 43A /STJ43A
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-03/18/86	54	27.75	27.417	30.1	24.7	2.281	1.51	25.	26.175	28.6	29.2
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	48	0.9	1.046	3.8	0.2	0.483	0.695	0.4	0.7	1.2	1.73
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	47	2.8	1.8	3.	0.	1.965	1.402	0.	0.	3.	3.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	21	6.3	6.219	6.5	5.8	0.041	0.202	5.9	6.05	6.4	6.48
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	33	6.2	6.236	7.2	5.2	0.154	0.393	5.74	6.	6.5	6.76
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	41	8.2	8.191	8.4	8.	0.009	0.094	8.1	8.1	8.25	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	41	8.2	8.181	8.4	8.	0.009	0.095	8.1	8.1	8.25	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	41	0.006	0.007	0.01	0.004	0.	0.001	0.005	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/29/73-09/30/86	47	35.7	35.828	38.5	33.7	0.759	0.871	35.	35.2	36.1	37.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/85-08/20/85	2	1.3	1.3	2.	0.6	0.98	0.99	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/85-08/20/85	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/85-08/20/85	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/85-08/20/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	52	0.	12.644	152.	0.	960.876	30.998	0.	0.	2.75	55.8
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	52	0.	0.348	2.182	-0.301	0.503	0.709	0.	0.	0.433	1.744
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.228								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	4.	12.	0.	48.	6.928	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.36	1.079	0.	0.388	0.623	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			2.289								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	9	1.	1.411	3.	0.6	0.936	0.968	0.6	0.65	2.4	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

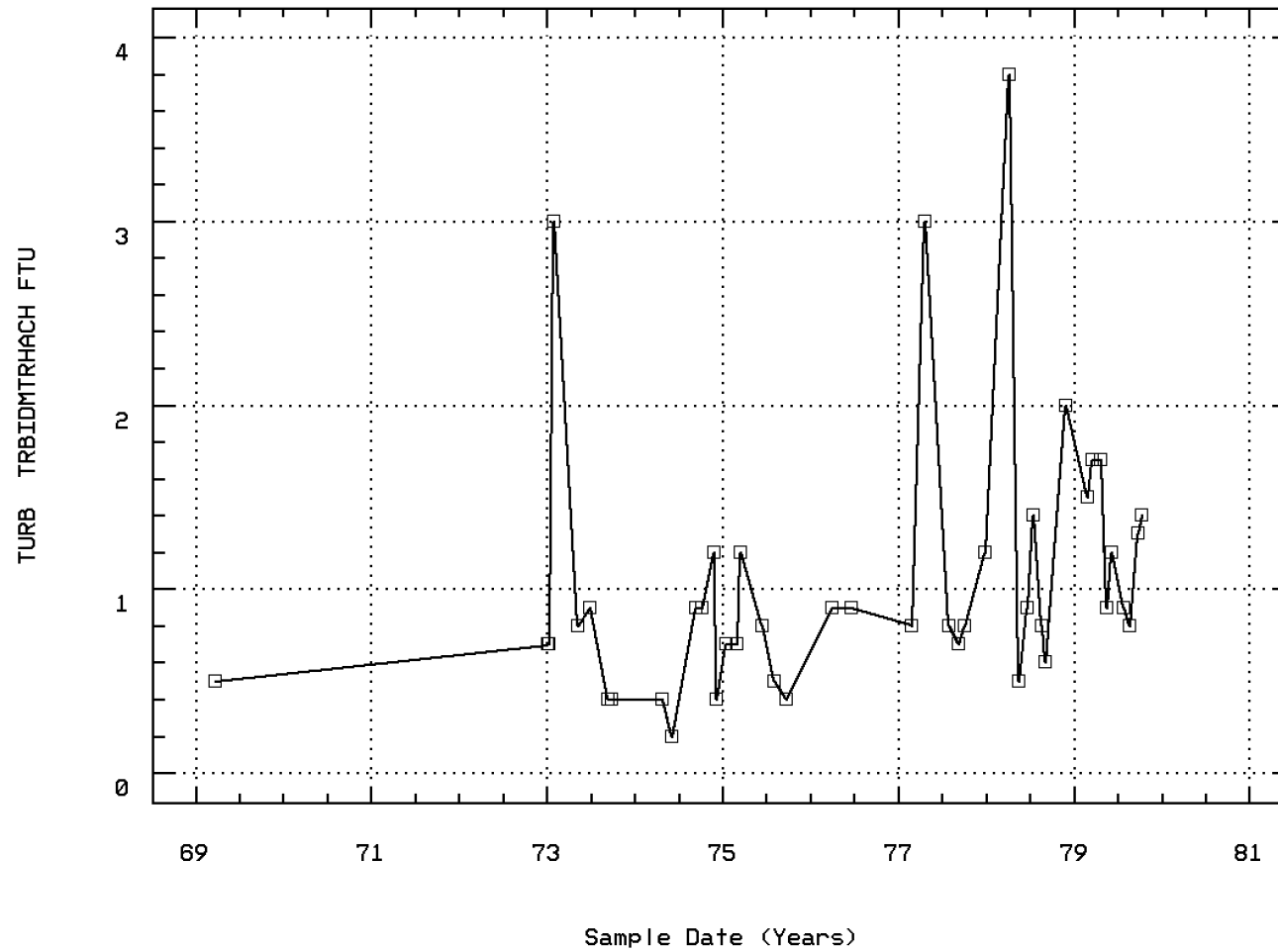
EPA Water Quality Criteria Analysis for Station: VIIS0085

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	48	0	0.00	19	0	0.00	12	0	0.00	17	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	21	0	0.00	10	0	0.00	4	0	0.00	7	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	33	0	0.00	11	0	0.00	10	0	0.00	12	0	0.00		
00400	PH	Other-Hi Lim.	9.	41	0	0.00	16	0	0.00	10	0	0.00	15	0	0.00		
		Other-Lo Lim.	6.5	41	0	0.00	16	0	0.00	10	0	0.00	15	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	52	0	0.00	21	0	0.00	14	0	0.00	17	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0085 Parameter Code: 00076

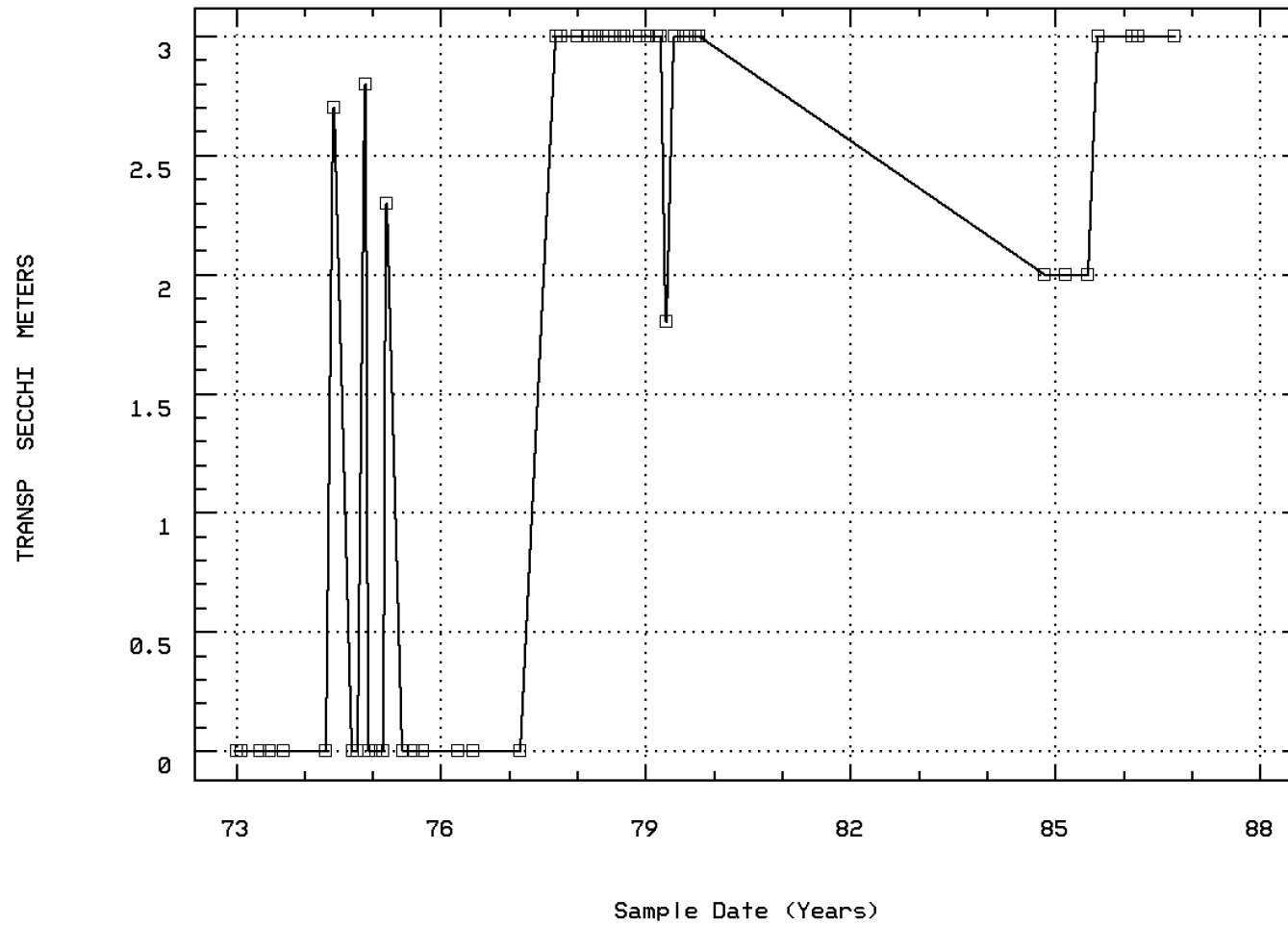
TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



CRUZ BAY

Station: VIIS0085 Parameter Code: 00078

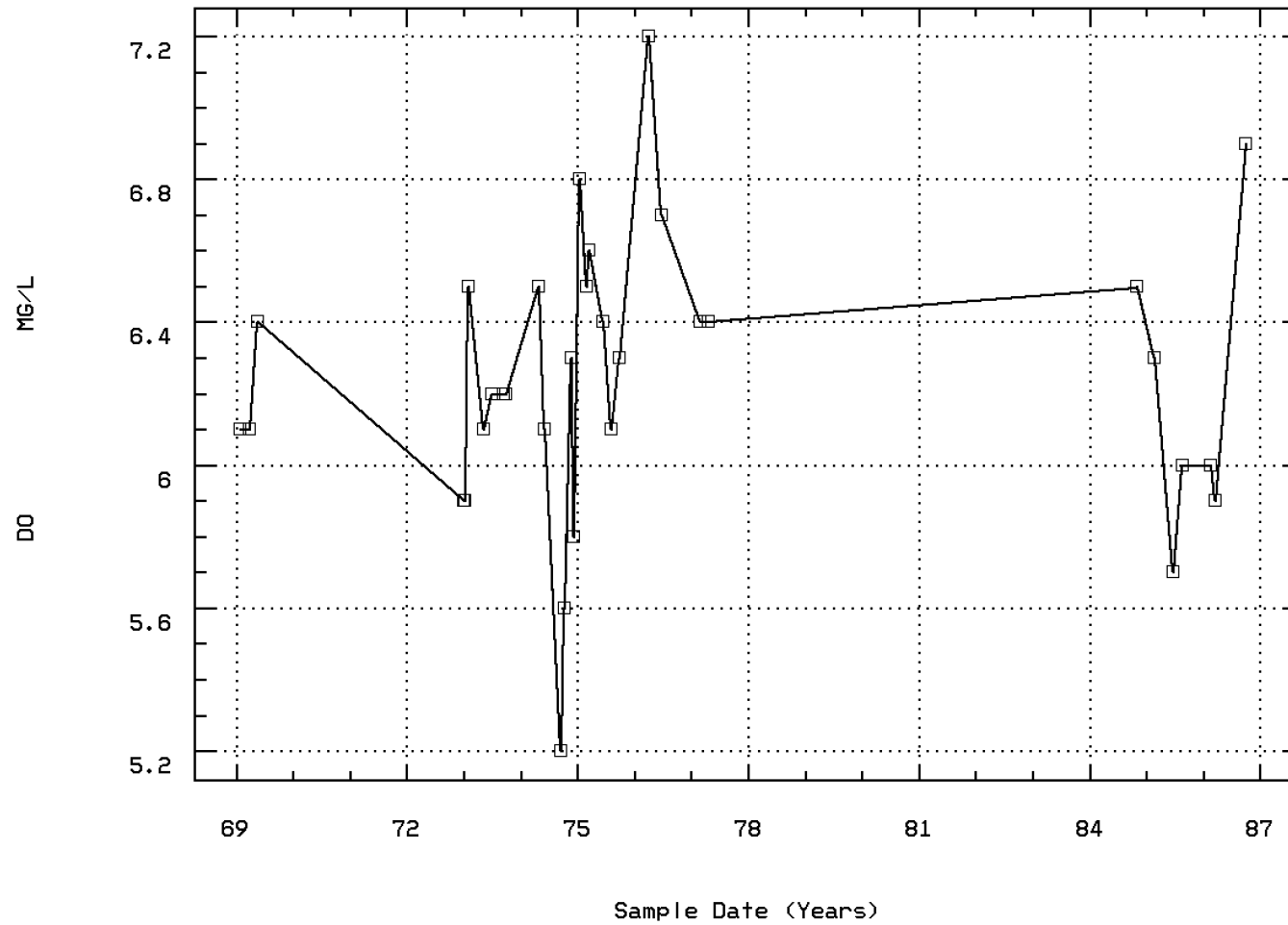
TRANSPARENCY, SECCHI DISC (METERS)



CRUZ BAY

Station: VIIS0085 Parameter Code: 00300

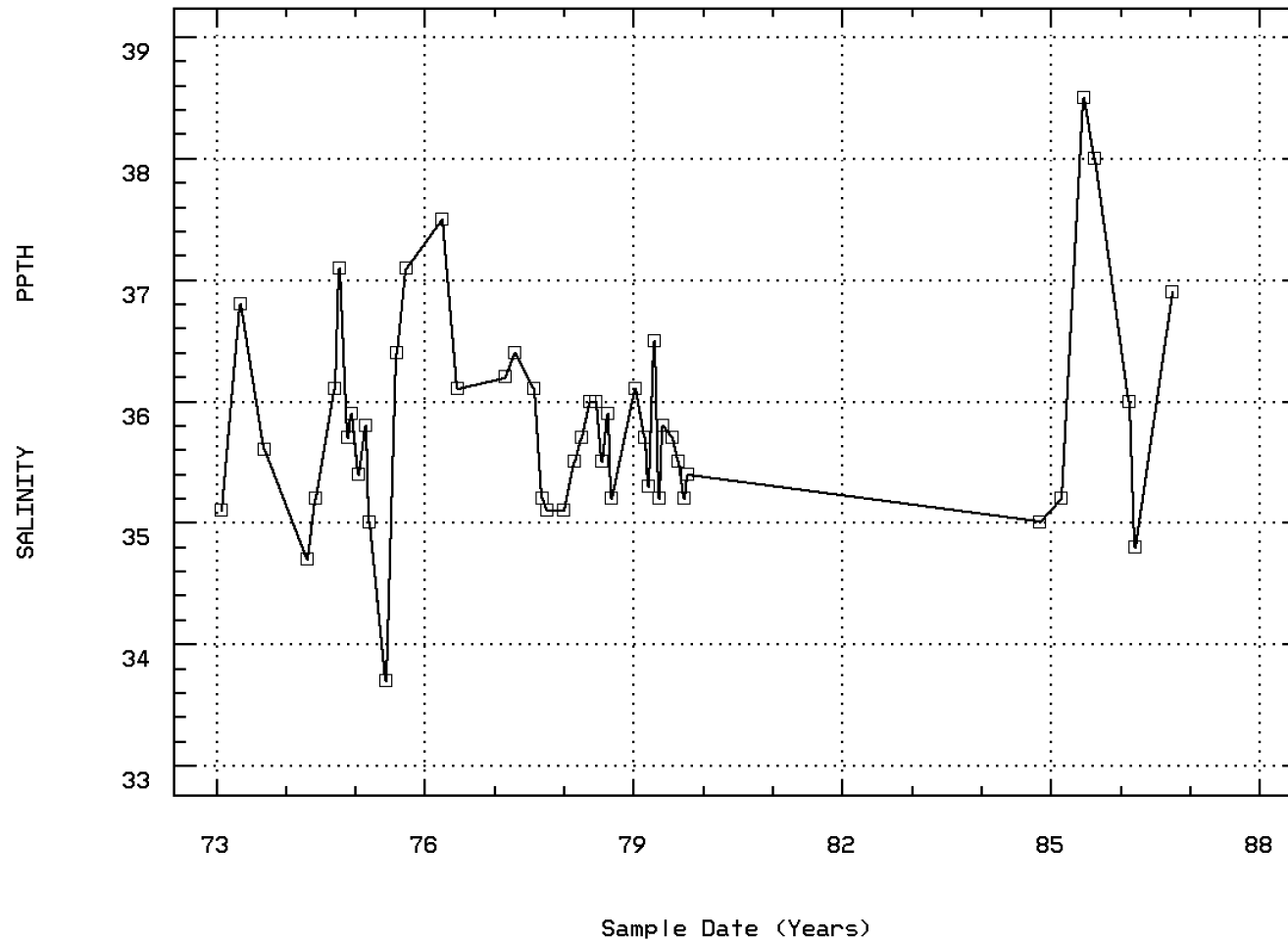
OXYGEN, DISSOLVED



CRUZ BAY

Station: VIIS0085 Parameter Code: 00480

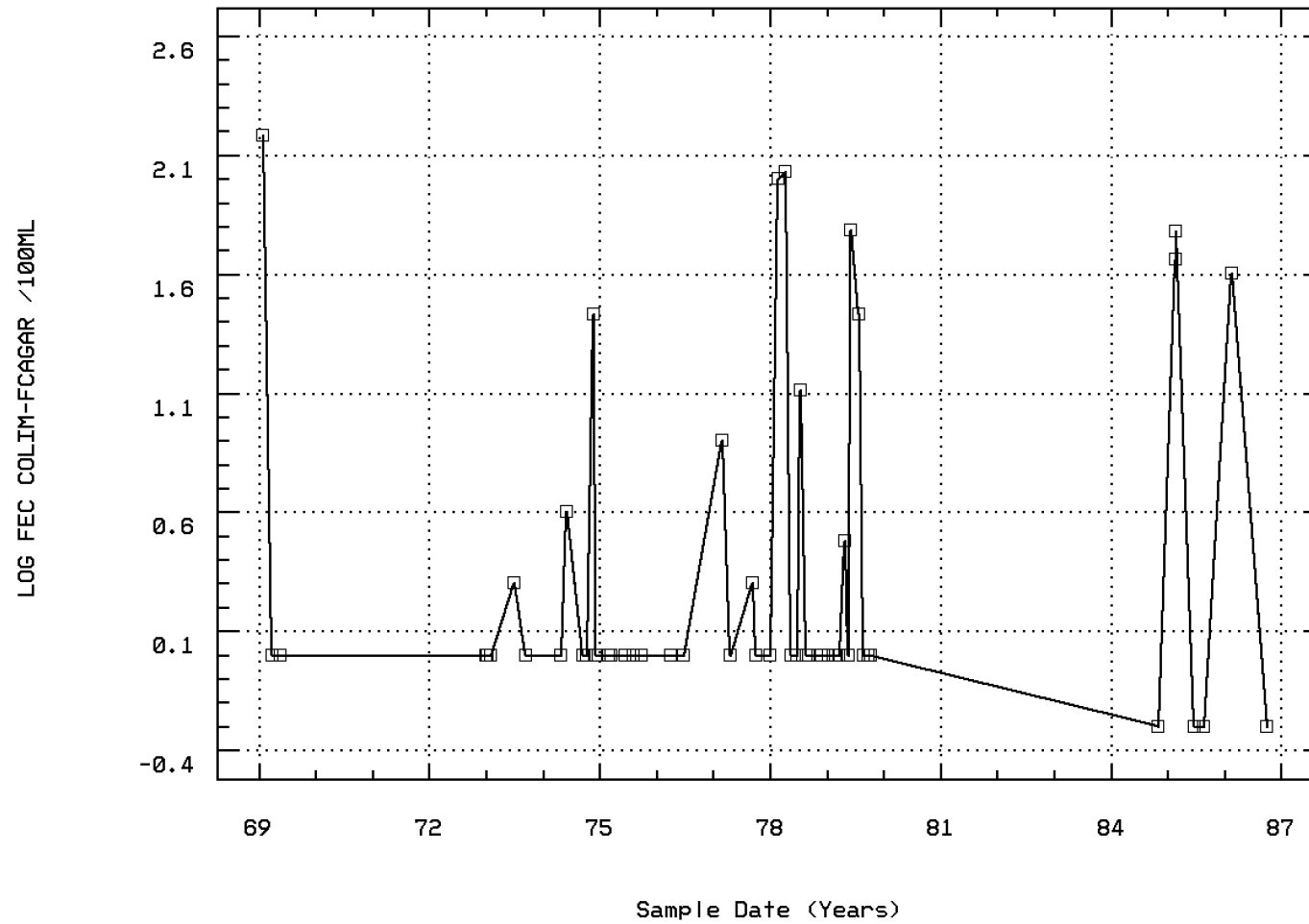
SALINITY - PARTS PER THOUSAND



CRUZ BAY

Station: VIIS0085 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	22	28.4	28.345	30.1	25.7	1.294	1.138	26.27	28.075	29.05	29.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	19	0.8	0.874	2.	0.4	0.182	0.427	0.4	0.5	1.2	1.4
00078p	TRANSPARENCY, SECCHI DISC (METERS)	20	3.	2.04	3.	0.	1.927	1.388	0.	0.	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	11	6.2	6.1	6.9	5.2	0.206	0.454	5.28	5.8	6.3	6.82
00400	PH (STANDARD UNITS)	16	8.2	8.189	8.35	8.05	0.008	0.091	8.085	8.1	8.28	8.315
00400	CONVERTED PH (STANDARD UNITS)	16	8.2	8.18	8.35	8.05	0.008	0.091	8.085	8.1	8.28	8.315
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	16	0.006	0.007	0.009	0.004	0.	0.001	0.005	0.005	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	20	35.7	35.93	38.	35.	0.645	0.803	35.11	35.25	36.325	37.1
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	21	0.	3.429	27.	0.	69.307	8.325	0.	0.	0.75	24.2
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	21	0.	0.146	1.431	-0.301	0.267	0.517	0.	0.	-0.151	1.368
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.401								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	14	25.75	25.764	26.9	24.8	0.567	0.753	24.9	25.	26.5	26.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12	1.	1.125	3.	0.7	0.413	0.643	0.7	0.7	1.2	2.55
00078p	TRANSPARENCY, SECCHI DISC (METERS)	12	2.15	1.608	3.	0.	2.114	1.454	0.	0.	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	10	6.35	6.3	6.8	5.9	0.098	0.313	5.9	5.975	6.525	6.78
00400	PH (STANDARD UNITS)	10	8.2	8.22	8.4	8.	0.015	0.121	8.01	8.175	8.288	8.4
00400	CONVERTED PH (STANDARD UNITS)	10	8.2	8.205	8.4	8.	0.015	0.122	8.01	8.175	8.287	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10	0.006	0.006	0.01	0.004	0.	0.002	0.004	0.005	0.007	0.01
00480p	SALINITY - PARTS PER THOUSAND	11	35.5	35.555	36.2	35.	0.187	0.432	35.02	35.1	36.	36.18
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	14	0.5	29.071	152.	0.	2204.071	46.948	0.	0.	49.5	126.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	14	0.	0.723	2.182	0.	0.826	0.909	0.	0.	1.692	2.091
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				5.29								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

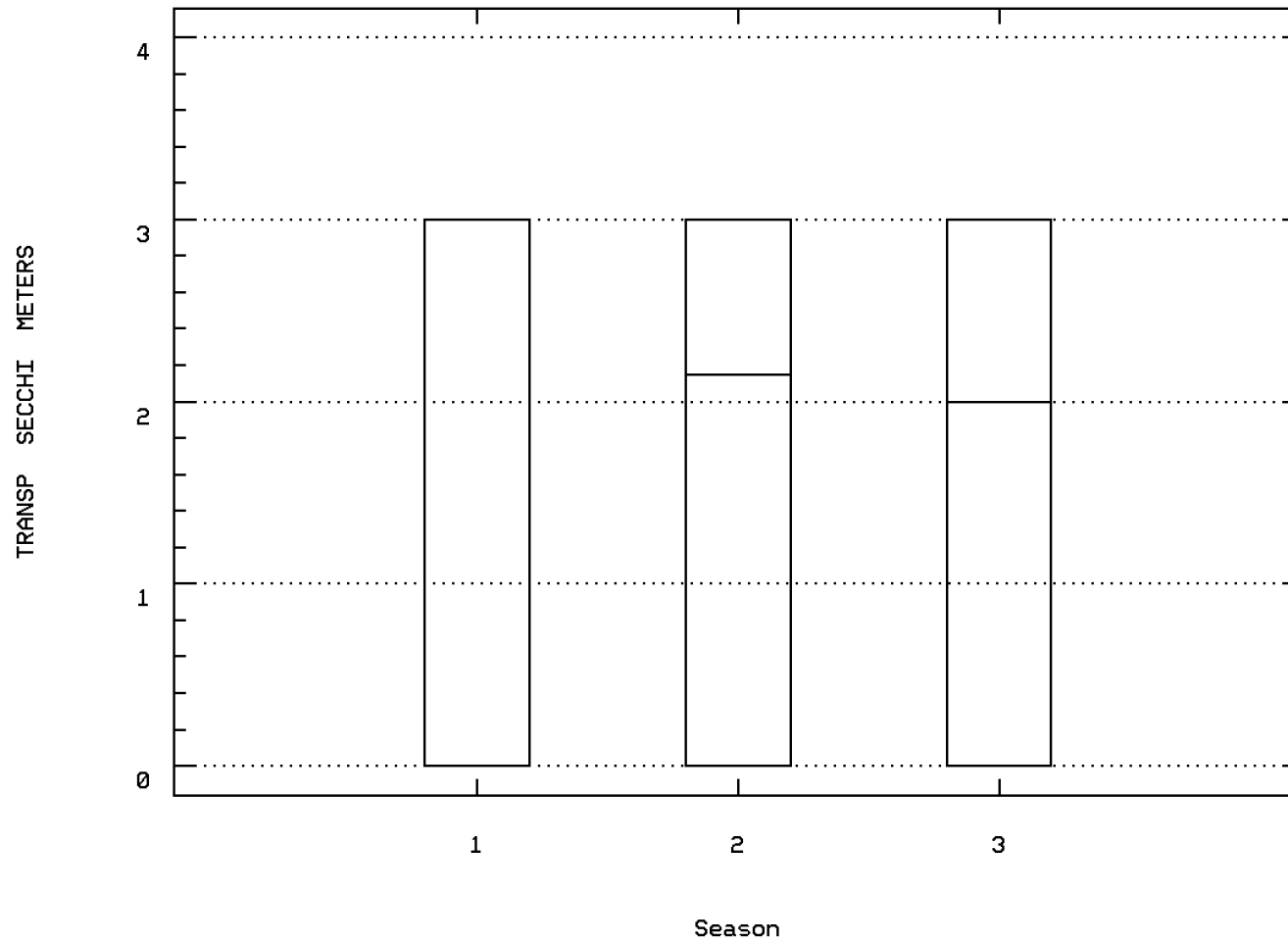
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0085

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	18	27.75	27.567	29.3	24.7	1.691	1.3	25.87	26.425	28.7	29.03
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	17	0.9	1.182	3.8	0.2	0.87	0.933	0.36	0.65	1.45	3.16
00078p	TRANSPARENCY, SECCHI DISC (METERS)	15	2.	1.633	3.	0.	2.037	1.427	0.	0.	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	12	6.3	6.308	7.2	5.7	0.154	0.392	5.76	6.1	6.475	7.05
00400	PH (STANDARD UNITS)	15	8.2	8.173	8.3	8.	0.006	0.08	8.06	8.1	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	15	8.2	8.166	8.3	8.	0.006	0.08	8.06	8.1	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	15	0.006	0.007	0.01	0.005	0.	0.001	0.005	0.006	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	16	35.9	35.888	38.5	33.7	1.312	1.145	34.4	35.2	36.475	37.8
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	17	0.	10.5	107.	0.	832.875	28.86	0.	0.	2.5	70.2
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	17	0.	0.288	2.029	-0.301	0.417	0.646	0.	0.	0.389	1.834
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H			GEOMETRIC MEAN =								
				1.94								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0085 Parameter Code: 00078

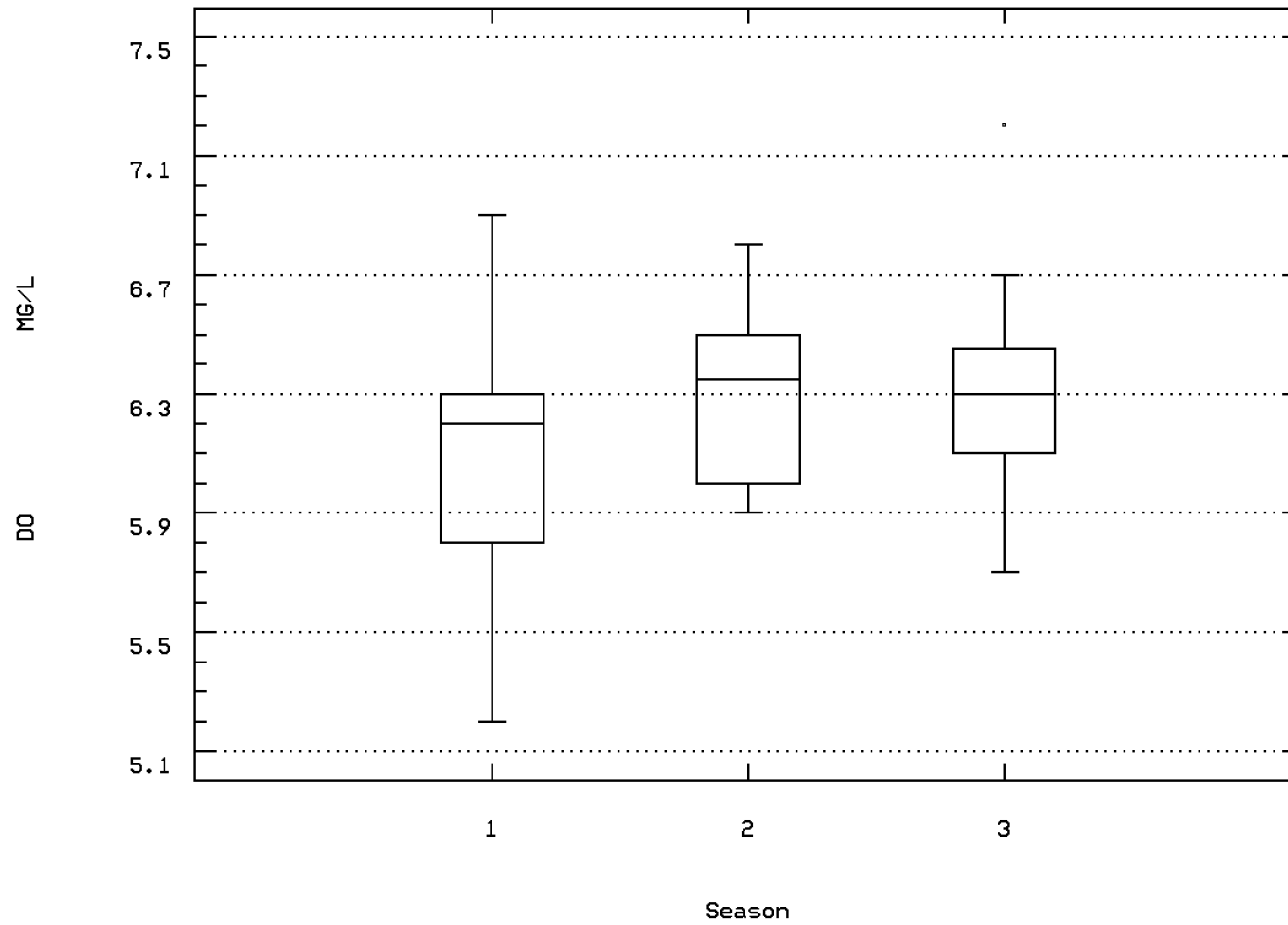
TRANSPARENCY, SECCHI DISC (METERS)



CRUZ BAY

Station: VIIS0085 Parameter Code: 00300

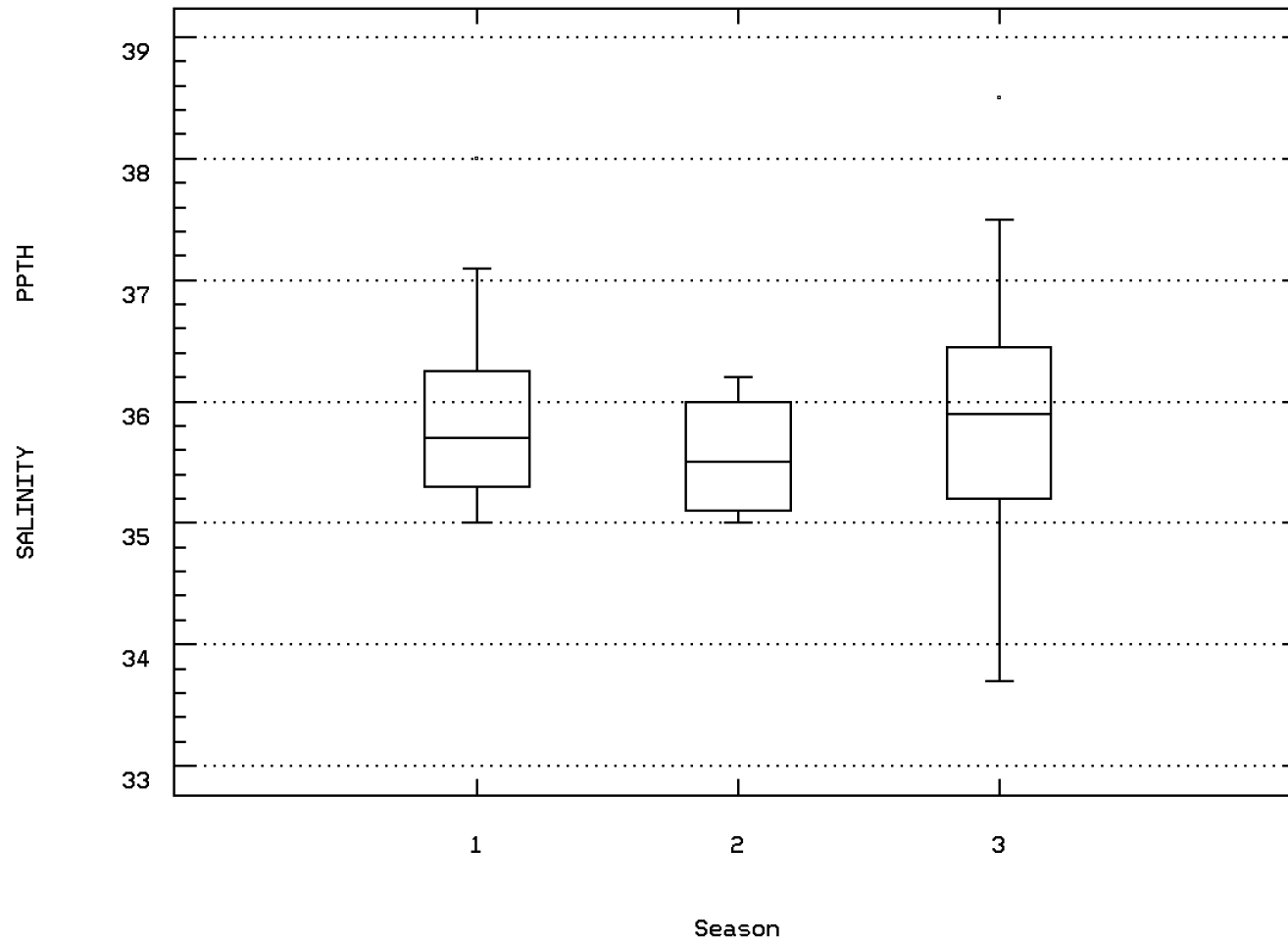
OXYGEN, DISSOLVED



CRUZ BAY

Station: VIIS0085 Parameter Code: 00480

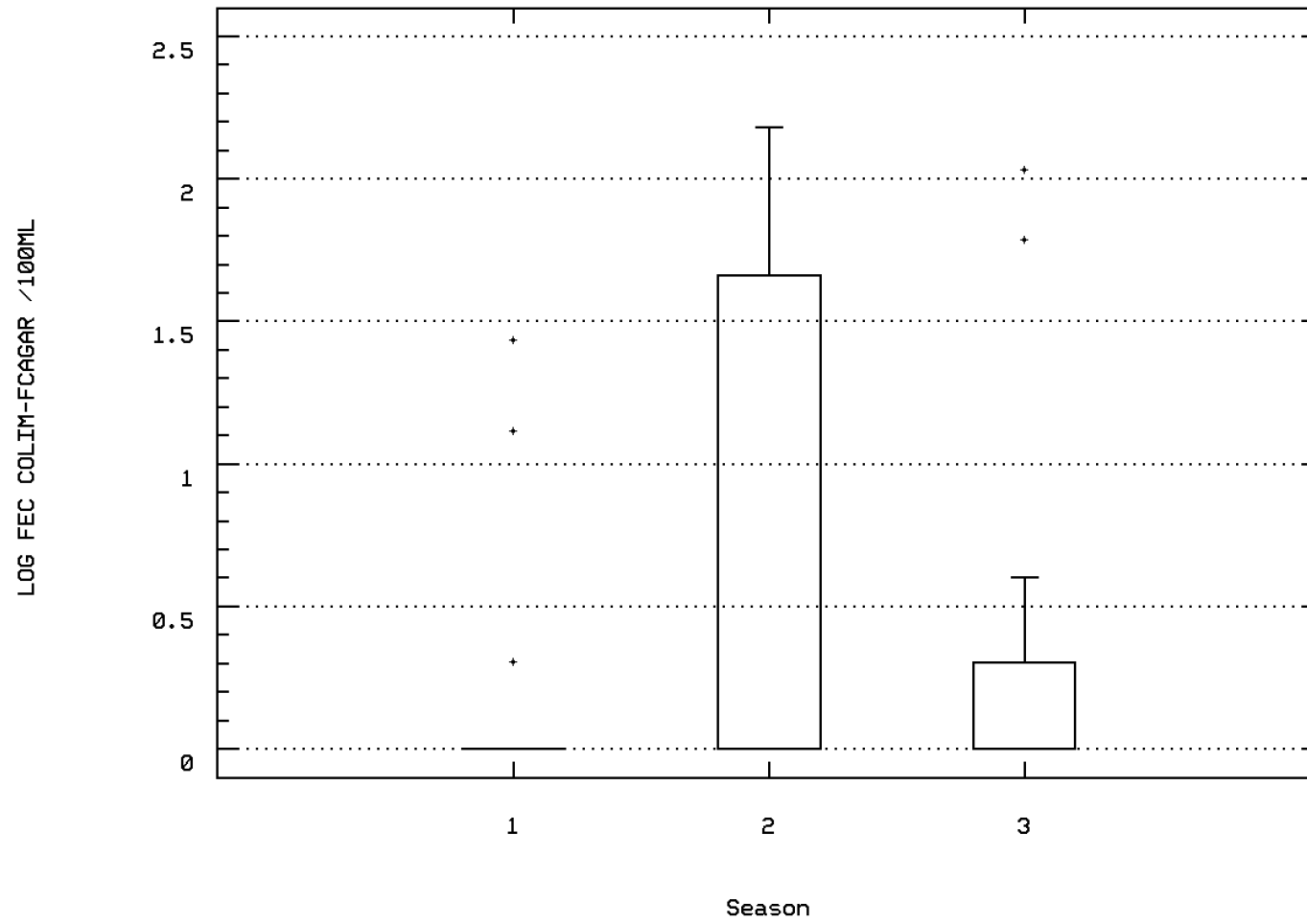
SALINITY - PARTS PER THOUSAND



CRUZ BAY

Station: VIIS0085 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY

Station Inventory for Station: VIIS0086

NPS Station ID: VIIS0086
 Location: CRUZ BAY AIRPLANE RAMP
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.335865/ -64.796031

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_CBAR28
 Within Park Boundary: Yes

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	64	28.35	28.202	30.4	25.7	1.56	1.249	26.45	27.	29.3	29.6
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	64	32.5	40.594	100.	0.	820.467	28.644	7.5	20.	60.	90.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	62	5.	4.718	10.	0.	6.948	2.636	0.3	3.	5.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	44	5.6	7.939	27.2	1.1	39.166	6.258	2.3	3.525	10.075	19.25
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	61	1.9	1.852	3.03	0.5	0.342	0.585	1.	1.5	2.295	2.5
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	57	54200.	45594.474	55800.	51.	396805578.861	19919.979	54.8	52500.	54800.	55500.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	64	6.2	6.236	7.4	5.2	0.19	0.436	5.65	6.	6.5	6.9
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	55	7.75	7.738	8.64	7.25	0.122	0.349	7.336	7.39	8.04	8.192
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	55	7.75	7.618	8.64	7.25	0.137	0.37	7.336	7.39	8.04	8.192
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	55	0.018	0.024	0.056	0.002	0.	0.016	0.006	0.009	0.041	0.046
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	59	36.	35.734	37.3	33.3	0.849	0.921	34.5	35.1	36.3	36.9
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.01	0.011	0.032	0.004	0.	0.008	0.004	0.005	0.015	0.028
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.001	0.	0.001	0.001	0.001	0.002	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.007	0.001	0.	0.002	0.001	0.001	0.003	0.006
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.004	0.004	0.009	0.001	0.	0.002	0.001	0.002	0.005	0.008
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.006	0.008	0.003	0.	0.002	0.003	0.004	0.007	0.008
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	57	1.4	1.546	6.5	0.1	1.266	1.125	0.48	0.8	2.	2.62
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	2.4	2.411	3.7	1.8	0.175	0.419	2.	2.	2.5	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0086

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	64	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	14	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	55	0	0.00	25	0	0.00	13	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	55	0	0.00	25	0	0.00	13	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	57	0	0.00	29	0	0.00	13	0	0.00	15	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.2	27.989	29.4	26.5	1.511	1.229	26.5	26.6	29.2	29.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	50.	45.444	99.	0.	714.278	26.726	0.	30.	55.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.9	1.856	2.5	1.	0.233	0.482	1.	1.5	2.25	2.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54300.	54275.	54600.	53900.	89166.667	298.608	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.1	5.978	6.4	5.2	0.159	0.399	5.2	5.65	6.25	6.4
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.8	35.36	36.1	33.3	1.363	1.167	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.4	0.7	1.6	0.1	0.373	0.611	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.	2.167	2.5	2.	0.063	0.25	2.	2.	2.5	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	28.1	27.733	29.6	26.1	1.835	1.354	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	50.	48.167	99.	10.	996.167	31.562	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	5.	5.833	10.	0.	14.167	3.764	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	4	4.65	7.3	17.5	2.4	48.407	6.957	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	5	1.5	1.6	2.5	0.5	0.8	0.894	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	52500.	52500.	53200.	51800.	212000.	460.435	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	5.95	6.017	6.5	5.6	0.134	0.366	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	34.6	34.6	35.1	34.1	0.104	0.322	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	5	1.	1.24	2.3	0.7	0.423	0.65	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	2.5	2.417	3.	2.	0.142	0.376	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.9	28.53	30.4	26.5	1.567	1.252	26.55	27.15	29.375	30.32
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	50.	57.5	95.	30.	706.944	26.588	30.	30.	90.	94.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	5.	10.	0.	11.111	3.333	0.	3.75	6.25	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	9	4.4	4.9	10.1	2.2	6.178	2.485	2.2	2.9	6.2	10.1
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	1.9	1.96	3.	1.	0.34	0.583	1.05	1.5	2.5	2.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54400.	54444.444	55200.	53700.	260277.778	510.174	53700.	53950.	54900.	55200.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.35	6.44	7.1	6.	0.134	0.366	6.	6.15	6.75	7.08
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	10	36.	36.01	36.6	35.5	0.139	0.373	35.51	35.675	36.35	36.59
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	8	1.05	1.25	2.7	0.5	0.526	0.725	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.5	2.48	3.5	2.	0.204	0.452	2.	2.	2.575	3.43

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.05	28.14	29.9	26.4	1.594	1.262	26.45	26.975	29.4	29.88
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	27.5	31.5	75.	10.	472.5	21.737	10.	17.5	38.75	74.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	4.9	7.5	2.5	1.489	1.22	2.65	4.75	5.	7.25
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	10	3.7	5.53	12.9	1.1	19.049	4.365	1.1	1.55	9.025	12.82
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	2.	1.9	2.5	1.	0.267	0.516	1.	1.75	2.125	2.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54600.	54033.333	55800.	51300.	2140000.	1462.874	51300.	52850.	55200.	55800.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.35	6.41	7.4	5.5	0.372	0.61	5.54	5.9	6.9	7.35
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.744	37.1	33.6	1.265	1.125	33.6	34.9	36.65	37.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.8	2.178	4.7	0.6	2.112	1.453	0.6	0.95	3.4	4.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.5	2.43	3.	2.	0.138	0.371	2.	2.	2.625	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	29.1	28.409	29.9	26.2	1.653	1.286	26.28	26.8	29.2	29.82
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	35.	36.818	80.	10.	436.364	20.889	12.	20.	40.	78.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	3.	4.	7.5	1.	6.625	2.574	1.	1.75	6.75	7.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	9	8.5	12.189	22.5	2.5	58.554	7.652	2.5	6.25	21.35	22.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.8	1.956	3.	1.	0.533	0.73	1.	1.4	2.75	3.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54300.	54190.909	55300.	52400.	746909.091	864.239	52540.	53600.	54900.	55260.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.4	6.391	7.	5.9	0.105	0.324	5.92	6.1	6.6	6.94
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	36.	35.836	36.6	34.5	0.425	0.652	34.58	35.4	36.3	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	2.05	1.71	2.7	0.4	0.837	0.915	0.42	0.825	2.6	2.69
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	2.5	2.62	3.5	2.	0.233	0.483	2.01	2.25	3.	3.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.9	28.111	29.7	25.7	2.376	1.541	25.7	26.8	29.6	29.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	40.	45.	90.	5.	1237.5	35.178	5.	10.	80.	90.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	3.889	5.	0.	2.861	1.691	0.	3.	5.	5.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	3	9.	7.433	9.8	3.5	11.763	3.43	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.8	1.683	2.35	1.	0.228	0.477	1.	1.25	2.1	2.35
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55100.	54877.778	55800.	53300.	719444.444	848.201	53300.	54150.	55550.	55800.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.	5.944	6.3	5.4	0.108	0.328	5.4	5.65	6.25	6.3
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.8	36.422	37.3	35.1	0.567	0.753	35.1	35.75	37.	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.4	1.211	1.8	0.5	0.159	0.398	0.5	0.9	1.4	1.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.2	2.333	3.7	1.8	0.3	0.548	1.8	2.05	2.4	3.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.6	28.267	29.6	26.6	1.198	1.094	26.6	27.15	29.25	29.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	10.	22.222	100.	0.	1063.194	32.607	0.	5.	30.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	3.	4.167	10.	0.	14.125	3.758	0.	1.	7.5	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/08/89-10/26/94	9	5.5	9.856	27.2	3.2	60.868	7.802	3.2	4.95	13.7	27.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	1.52	1.879	3.03	1.1	0.388	0.623	1.1	1.45	2.33	3.03
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.889	56.	51.	2.611	1.616	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.2	6.322	7.	6.	0.107	0.327	6.	6.05	6.55	7.
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.567	37.	33.8	1.163	1.078	33.8	34.6	36.3	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.6	2.156	6.5	0.8	2.898	1.702	0.8	1.35	2.35	6.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	2.4	2.4	3.	1.9	0.125	0.354	1.9	2.1	2.7	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.3	28.965	30.4	27.	0.802	0.896	27.4	28.3	29.6	29.86
00032	CLOUD COVER (PERCENT)	31	30.	43.806	100.	0.	1102.095	33.198	5.	15.	75.	98.2
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	4.194	10.	0.	6.795	2.607	0.	2.5	5.	7.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	30	2.05	2.067	3.03	1.	0.331	0.576	1.	1.8	2.5	2.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	29	54200.	46635.	55800.	51.	360584215.786	18989.055	55.	52700.	54600.	55500.
00300	OXYGEN, DISSOLVED MG/L	31	6.	6.048	7.	5.2	0.149	0.386	5.5	5.9	6.2	6.58
00406	PH, FIELD, STANDARD UNITS SU	25	7.77	7.702	8.24	7.25	0.101	0.318	7.322	7.355	7.95	8.13
00406	CONVERTED PH, FIELD, STANDARD UNITS	25	7.77	7.597	8.24	7.25	0.113	0.336	7.322	7.355	7.95	8.13
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	25	0.017	0.025	0.056	0.006	0.	0.017	0.007	0.011	0.044	0.048
00480	SALINITY - PARTS PER THOUSAND	30	35.95	35.743	37.3	33.6	0.782	0.884	34.15	35.45	36.2	36.89
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	29	1.4	1.697	6.5	0.2	1.663	1.29	0.6	0.9	2.3	2.7
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	2.5	2.58	3.7	1.8	0.209	0.457	2.	2.375	2.85	3.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	14	26.5	26.45	26.9	25.7	0.107	0.328	25.9	26.2	26.65	26.9
00032	CLOUD COVER (PERCENT)	14	35.	33.929	70.	10.	450.687	21.229	10.	10.	52.5	65.
00035	WIND VELOCITY (MILES PER HOUR)	13	5.	5.808	10.	2.5	6.397	2.529	2.7	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	1.5	1.492	3.	0.5	0.367	0.606	0.7	1.	1.7	2.6
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12	53750.	45034.	55300.	53.	442316542.	21031.323	53.6	52475.	54775.	55240.
00300	OXYGEN, DISSOLVED MG/L	14	6.4	6.371	7.	5.7	0.138	0.371	5.75	6.15	6.6	6.95
00406	PH, FIELD, STANDARD UNITS SU	13	7.71	7.758	8.34	7.36	0.09	0.3	7.376	7.46	7.975	8.268
00406	CONVERTED PH, FIELD, STANDARD UNITS	13	7.71	7.673	8.34	7.36	0.098	0.313	7.376	7.46	7.975	8.268
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	13	0.019	0.021	0.044	0.005	0.	0.013	0.006	0.011	0.035	0.042
00480	SALINITY - PARTS PER THOUSAND	13	35.8	35.508	36.6	33.3	0.947	0.973	33.78	34.9	36.25	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	13	1.5	1.692	4.3	0.4	1.127	1.062	0.52	0.75	2.35	3.66
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	14	2.05	2.243	3.	2.	0.133	0.365	2.	2.	2.5	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.3	28.247	29.4	26.7	0.653	0.808	27.2	27.4	28.9	29.2
00032	CLOUD COVER (PERCENT)	19	40.	40.263	90.	0.	656.871	25.63	5.	20.	50.	85.
00035	WIND VELOCITY (MILES PER HOUR)	18	5.	4.833	10.	0.	7.	2.646	0.9	4.375	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	1.8	1.752	2.5	1.	0.192	0.438	1.09	1.5	2.	2.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54150.	44128.875	55800.	52.	479315801.05	21893.282	53.4	52350.	55150.	55660.
00300	OXYGEN, DISSOLVED MG/L	19	6.4	6.442	7.4	5.5	0.197	0.444	5.9	6.2	6.7	7.1
00406	PH, FIELD, STANDARD UNITS SU	17	7.75	7.776	8.64	7.32	0.188	0.434	7.336	7.365	8.155	8.344
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.75	7.61	8.64	7.32	0.217	0.466	7.336	7.365	8.155	8.344
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.018	0.025	0.048	0.002	0.	0.018	0.005	0.007	0.043	0.046
00480	SALINITY - PARTS PER THOUSAND	16	36.	35.9	37.1	34.1	0.939	0.969	34.38	34.95	36.825	37.03
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	15	1.	1.127	2.6	0.1	0.515	0.718	0.28	0.5	1.6	2.42
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	2.3	2.268	3.	1.9	0.079	0.281	2.	2.	2.5	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0087

NPS Station ID: VIIS0087

Location: CRUZ BAY NE(LEFT)OF PERRY PIER CNTR 2.5/3 M

Station Type: /TYPA/AMBNT/OCEAN

RMI-Indexes:

RMI-Miles:

HUC: 21020001

Major Basin: VIRGIN ISLANDS

Minor Basin: ST. JOHN

RF1 Index: 21020001

RF3 Index:

Description:

LAT/LON: 18.333337/ -64.795837

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 21V1

FIPS State/County: 78003 VIRGIN ISLANDS/

STORET Station ID(s): STJ-43A

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

Date Created: 10/08/83

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: VIIS0087

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: VIIS0088

NPS Station ID: VIIS0088
 Location: CRUZ BAY 50 FT(RIGHT) OF FERRY PIER CNTR 3/3.5M
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST. JOHN
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.333059/ -64.796392

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-43B
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0088

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/79-09/30/80	10	27.9	27.85	29.	25.7	1.087	1.043	25.8	27.3	28.775	29.
00032 CLOUD COVER (PERCENT)	11/17/79-09/30/80	10	27.5	27.6	60.	10.	284.933	16.88	10.2	12.	40.	58.
00035 WIND VELOCITY (MILES PER HOUR)	11/17/79-09/30/80	10	10.5	10.7	13.	8.	4.678	2.163	8.	8.75	13.	13.
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/17/79-09/30/80	10	3.3	3.02	3.5	2.	0.337	0.581	2.	2.525	3.35	3.5
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/17/79-09/30/80	10	6.5	6.55	8.	6.	0.316	0.562	6.01	6.175	6.625	7.87
00400 PH (STANDARD UNITS)	11/17/79-09/30/80	10	8.2	8.15	8.3	7.8	0.021	0.143	7.825	8.088	8.25	8.295
00400 CONVERTED PH (STANDARD UNITS)	11/17/79-09/30/80	10	8.2	8.125	8.3	7.8	0.021	0.146	7.825	8.087	8.25	8.295
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/17/79-09/30/80	10	0.006	0.007	0.016	0.005	0.	0.003	0.005	0.006	0.008	0.015
00480 SALINITY - PARTS PER THOUSAND	11/17/79-09/30/80	10	35.85	35.78	36.5	34.6	0.322	0.567	34.67	35.375	36.175	36.49
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/17/79-09/30/80	10 ##	0.75	8.75	63.	0.5	379.403	19.478	0.5	0.5	7.75	58.
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/17/79-09/30/80	10 ##	-0.151	0.249	1.799	-0.301	0.557	0.746	-0.301	-0.301	0.862	1.731
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			1.773								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/17/79-09/30/80	10	1.25	1.36	2.9	0.8	0.352	0.593	0.82	1.	1.45	2.77

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0088

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	10	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00			
00400 PH	Other-Hi Lim.	9.	10	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00			
	Other-Lo Lim.	6.5	10	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	10	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	10	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0089

NPS Station ID: VIIS0089
 Location: CRUZ BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN-50FT SW (RIGHT)
 Minor Basin: OF FERRY PIER CENTER-DEPTH 3/3.5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.333059/ -64.796392

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 43B /STJ43B
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	56	27.35	27.227	30.1	23.6	2.599	1.612	25.	26.1	28.5	29.2
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	50	0.85	0.936	3.1	0.2	0.257	0.507	0.41	0.6	1.2	1.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	52	2.8	1.981	3.5	0.	2.474	1.573	0.	0.	3.5	3.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/08/77-10/11/79	22	6.3	6.2	6.5	5.8	0.048	0.218	5.8	6.075	6.325	6.47
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	34	6.45	6.353	7.8	4.9	0.228	0.478	5.9	6.075	6.6	6.9
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	44	8.2	8.195	8.4	7.9	0.011	0.102	8.075	8.1	8.25	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	44	8.2	8.182	8.4	7.9	0.011	0.103	8.075	8.1	8.25	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	44	0.006	0.007	0.013	0.004	0.	0.002	0.005	0.006	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	51	35.8	35.798	39.	33.7	0.785	0.886	34.8	35.3	36.2	36.78
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	51	0.	10.275	210.	0.	1615.253	40.19	0.	0.	2.	9.8
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	51	0.	0.241	2.322	-0.301	0.346	0.588	0.	0.	0.301	0.991
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.743								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.1	0.301	0.	0.03	0.174	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.26								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	8	0.95	0.986	2.1	0.09	0.33	0.574	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

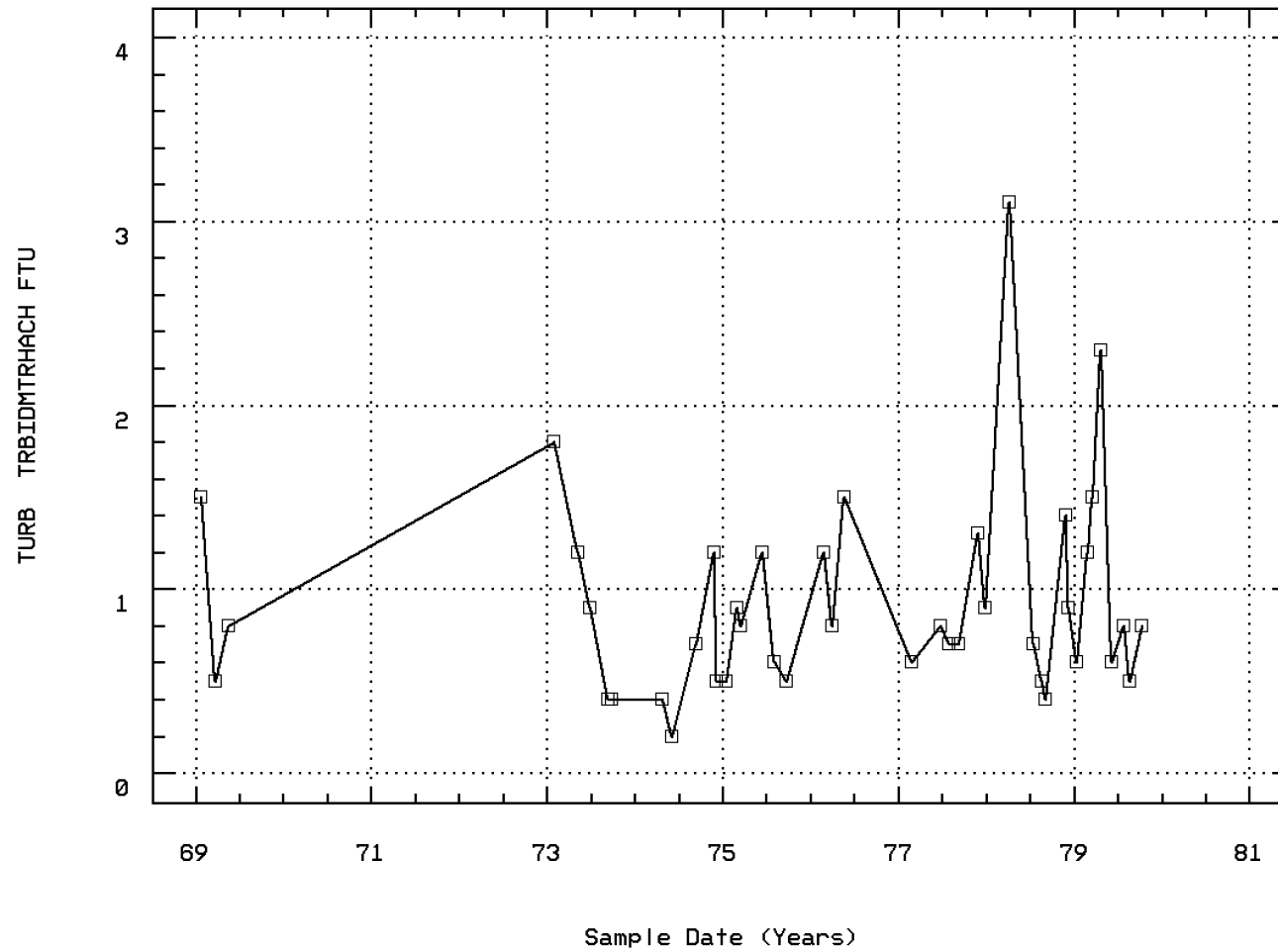
EPA Water Quality Criteria Analysis for Station: VIIS0089

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim. 50.	50	0	0.00	20	0	0.00	13	0	0.00	17	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim. 4.	22	0	0.00	11	0	0.00	4	0	0.00	7	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim. 4.	34	0	0.00	11	0	0.00	11	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim. 9.	44	0	0.00	18	0	0.00	11	0	0.00	15	0	0.00			
		Other-Lo Lim. 6.5	44	0	0.00	18	0	0.00	11	0	0.00	15	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim. 200.	51	2	0.04	21	0	0.00	14	2	0.14	16	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim. 50.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0089 Parameter Code: 00076

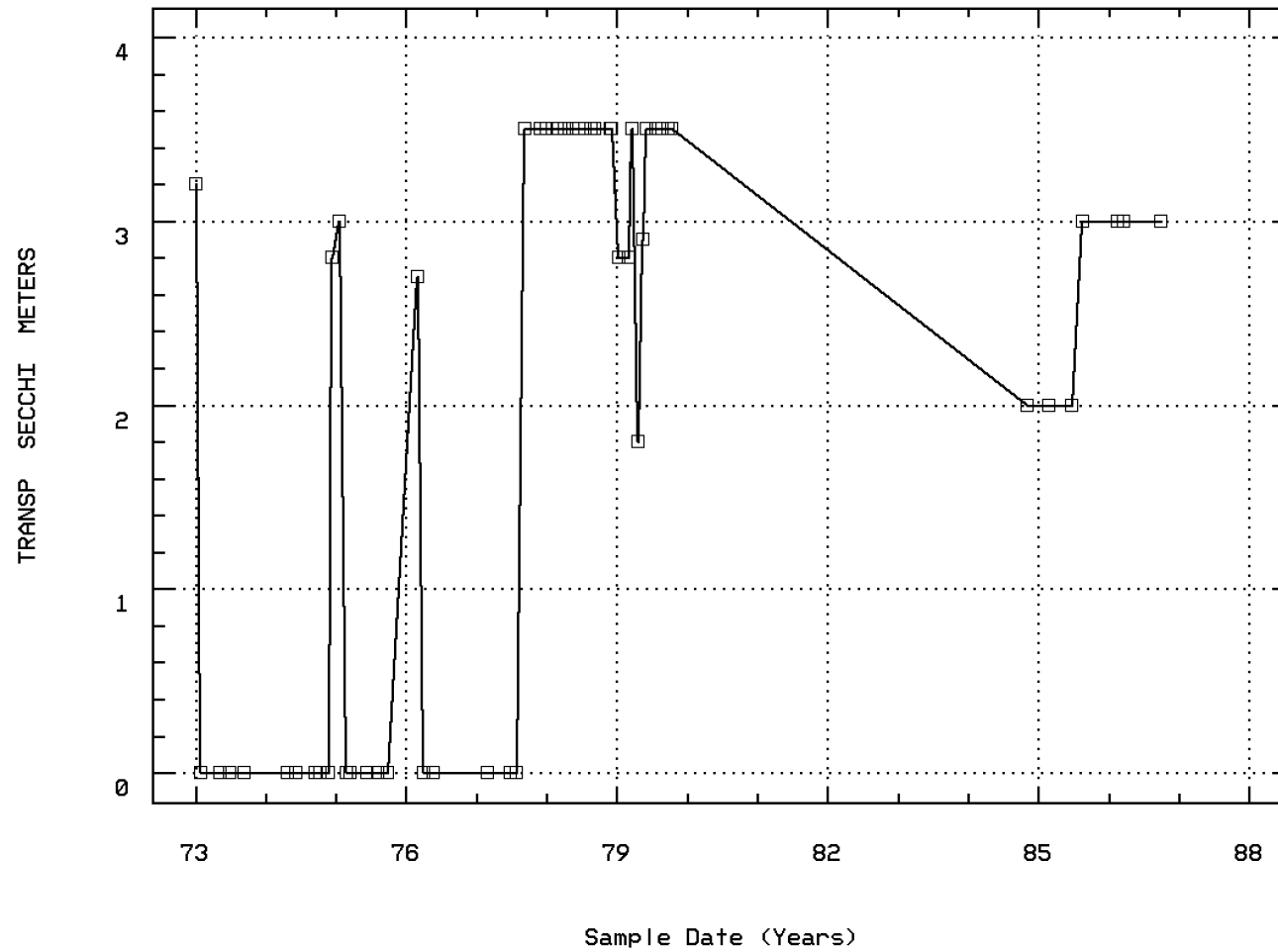
TURBIDITY, HACH TURBIDIMETER (FORMAZIN T



CRUZ BAY

Station: VIIS0089 Parameter Code: 00078

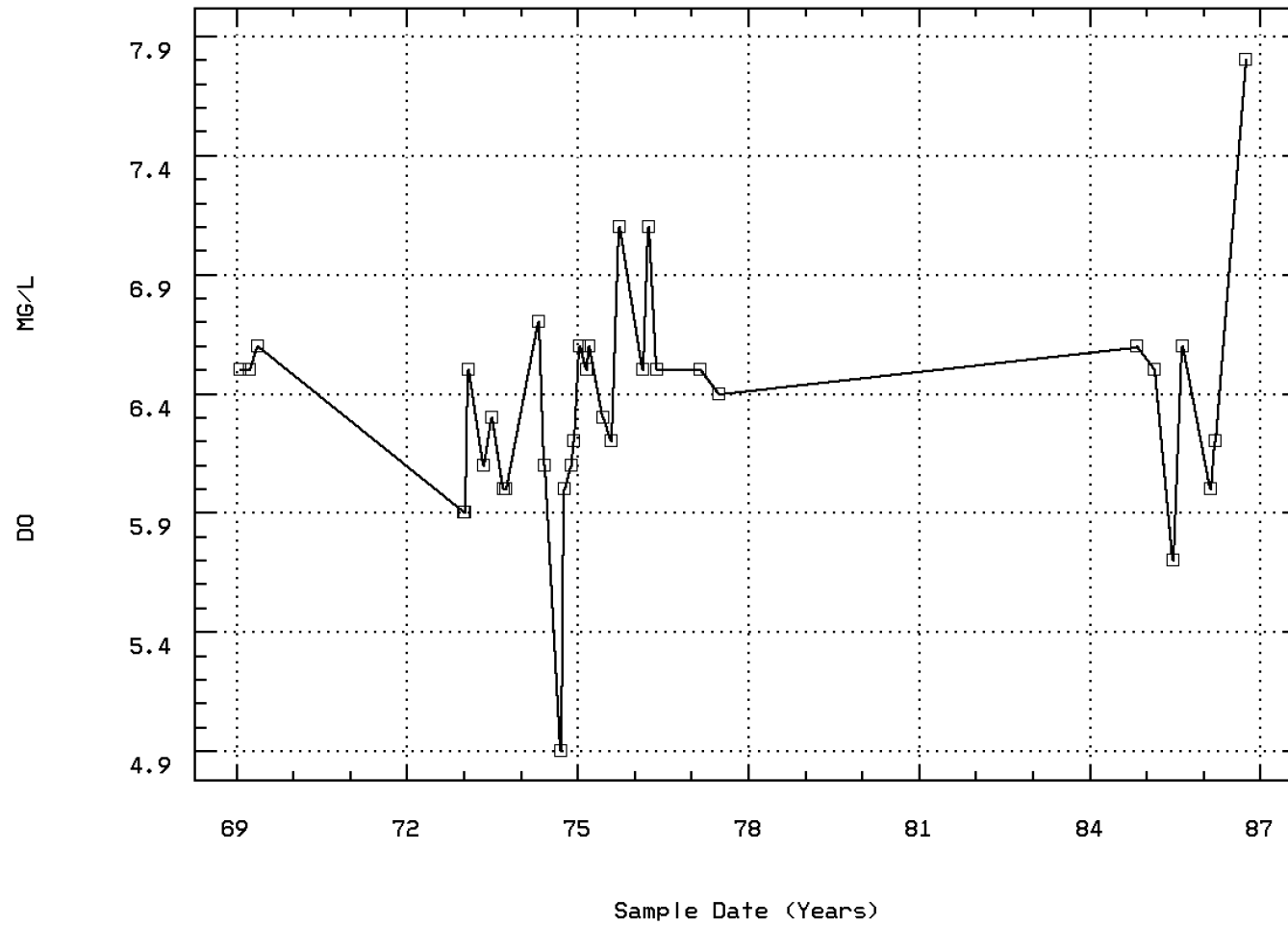
TRANSPARENCY, SECCHI DISC (METERS)



CRUZ BAY

Station: VIIS0089 Parameter Code: 00300

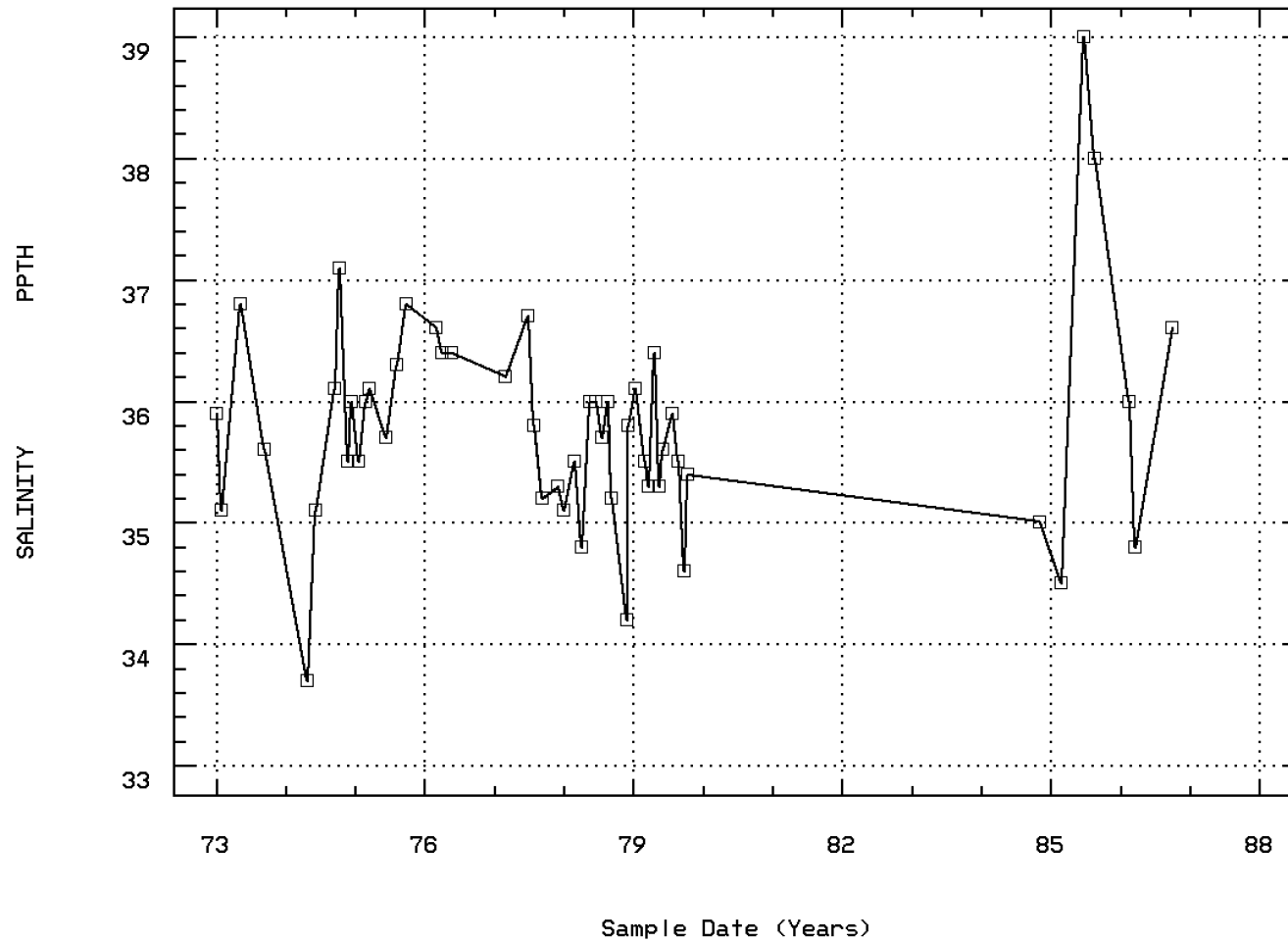
OXYGEN, DISSOLVED



CRUZ BAY

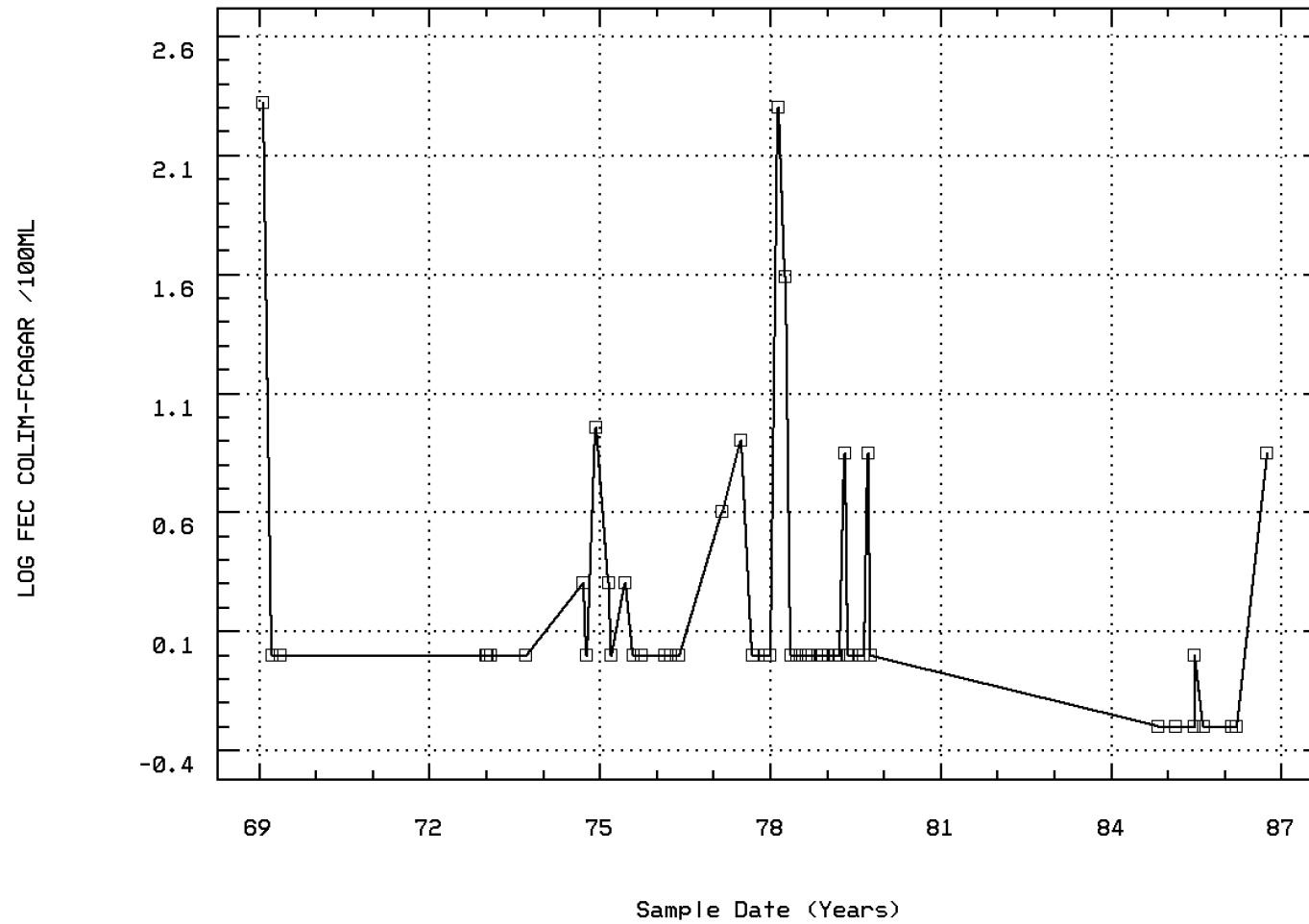
Station: VIIS0089 Parameter Code: 00480

SALINITY - PARTS PER THOUSAND



CRUZ BAY

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	23	28.2	28.026	30.1	23.7	2.159	1.469	25.82	27.4	29.	29.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	20	0.7	0.75	1.4	0.4	0.091	0.302	0.4	0.5	0.975	1.29
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	22	3.25	2.241	3.5	0.	2.577	1.605	0.	0.	3.5	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	11	6.2	6.318	7.8	4.9	0.536	0.732	5.12	6.	6.6	7.66
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	18	8.2	8.201	8.3	8.05	0.006	0.081	8.095	8.1	8.262	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	18	8.2	8.194	8.3	8.05	0.007	0.081	8.095	8.1	8.262	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	18	0.006	0.006	0.009	0.005	0.	0.001	0.005	0.005	0.008	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	22	35.75	35.8	38.	34.2	0.695	0.834	34.72	35.275	36.15	37.01
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	21	0.	1.762	10.	0.	10.965	3.311	0.	0.	1.5	8.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	21	0.	0.159	1.	-0.301	0.154	0.392	0.	0.	0.151	0.932
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.443								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	15	25.7	25.62	26.7	23.6	0.77	0.878	24.32	25.	26.5	26.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	13	1.	1.	1.8	0.5	0.133	0.365	0.54	0.7	1.2	1.68
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	13	2.8	2.038	3.5	0.	2.141	1.463	0.	0.	3.1	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	11	6.5	6.364	6.6	5.9	0.079	0.28	5.9	6.	6.5	6.6
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	11	8.25	8.227	8.4	8.	0.017	0.131	8.02	8.1	8.35	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	11	8.25	8.209	8.4	8.	0.018	0.132	8.02	8.1	8.35	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	11	0.006	0.006	0.01	0.004	0.	0.002	0.004	0.004	0.008	0.01
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	13	35.9	35.7	36.6	34.5	0.323	0.569	34.74	35.3	36.1	36.44
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	14	0.25	29.857	210.	0.	5510.863	74.235	0.	0.	2.5	205.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	14	-0.151	0.352	2.322	-0.301	0.738	0.859	0.	0.	0.376	2.312
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.248								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

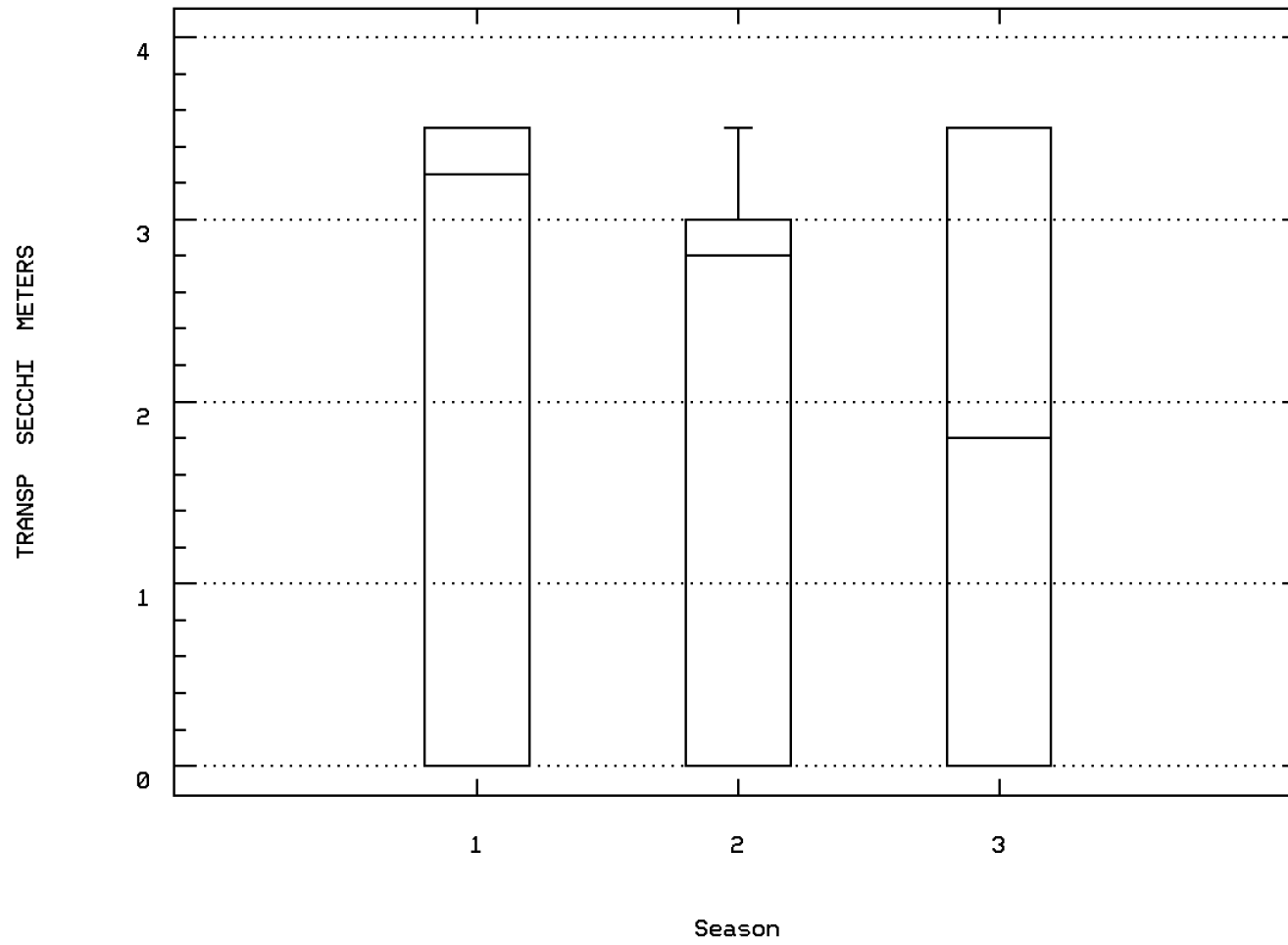
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-09/30/86	18	27.65	27.544	29.3	24.8	1.73	1.315	25.97	26.275	28.625	29.21
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-10/11/79	17	1.	1.106	3.1	0.2	0.502	0.708	0.36	0.7	1.35	2.46
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	17	1.8	1.6	3.5	0.	2.649	1.627	0.	0.	3.5	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-09/30/86	12	6.35	6.375	7.1	5.7	0.124	0.352	5.82	6.125	6.575	6.98
00400	PH (STANDARD UNITS)	01/03/73-10/11/79	15	8.2	8.163	8.3	7.9	0.01	0.101	7.96	8.1	8.2	8.27
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-10/11/79	15	8.2	8.151	8.3	7.9	0.01	0.102	7.96	8.1	8.2	8.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-10/11/79	15	0.006	0.007	0.013	0.005	0.	0.002	0.005	0.006	0.008	0.011
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	16	35.85	35.875	39.	33.7	1.371	1.171	34.47	35.15	36.4	37.46
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-09/30/86	16	0.5	4.313	39.	0.	96.196	9.808	0.	0.	5.75	18.7
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-09/30/86	16	-0.301	0.252	1.591	-0.301	0.288	0.536	0.	0.	0.709	1.177
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.788								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0089 Parameter Code: 00078

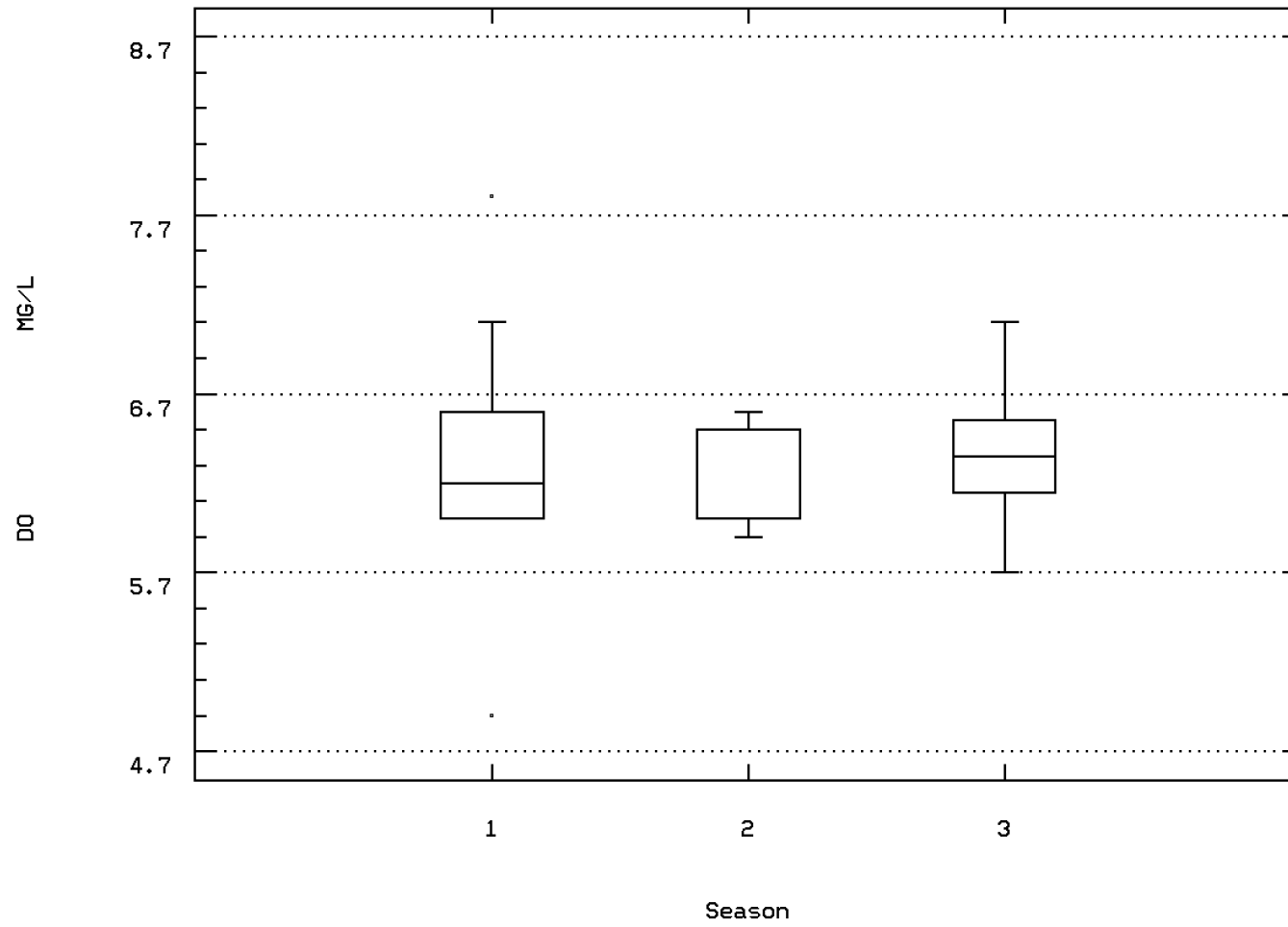
TRANSPARENCY, SECCHI DISC (METERS)



CRUZ BAY

Station: VIIS0089 Parameter Code: 00300

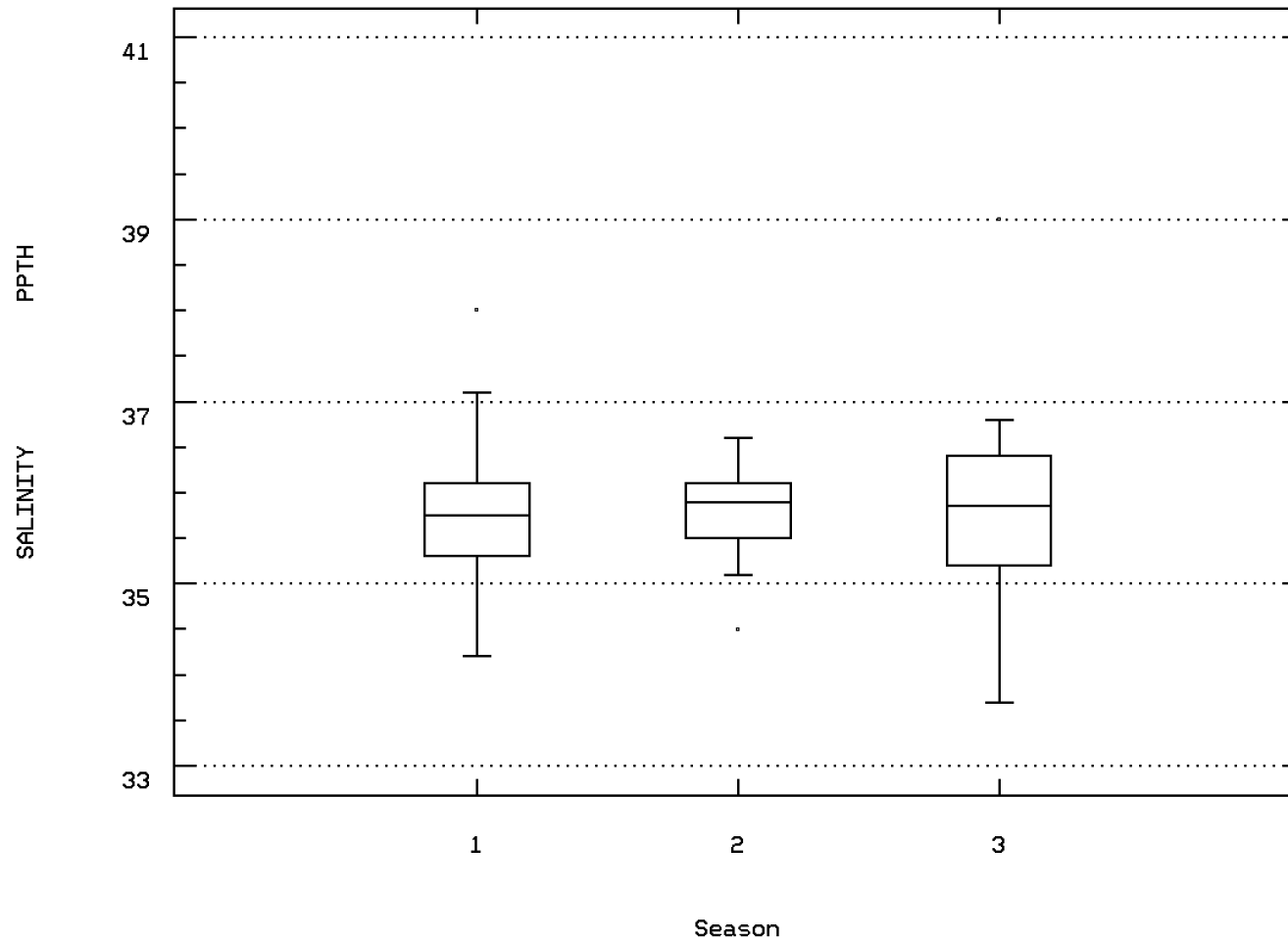
OXYGEN, DISSOLVED



CRUZ BAY

Station: VIIS0089 Parameter Code: 00480

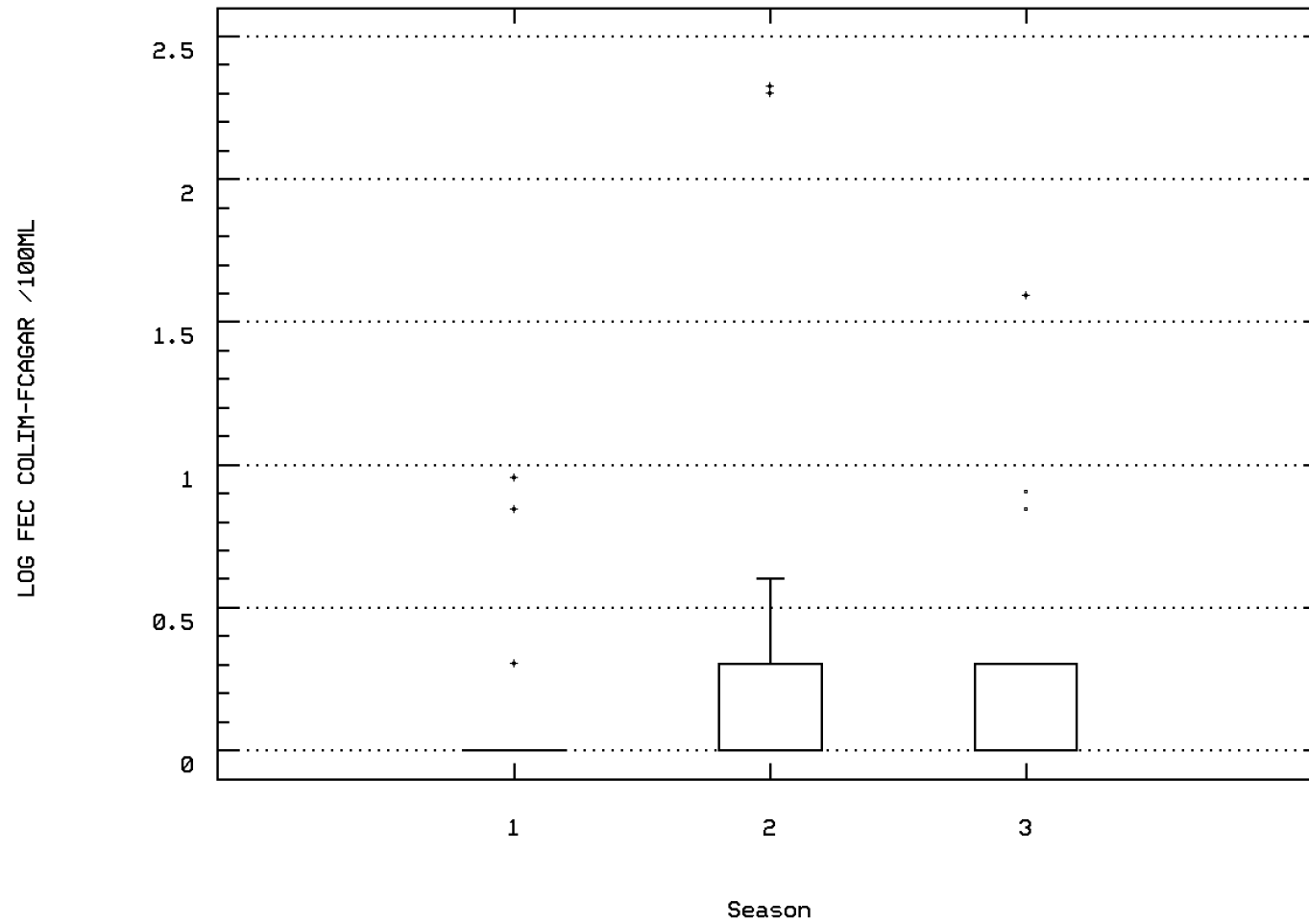
SALINITY - PARTS PER THOUSAND



CRUZ BAY

Station: VIIS0089 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



CRUZ BAY

Station Inventory for Station: VIIS0090

NPS Station ID: VIIS0090
 Location: TURNER BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.326365/ -64.796893

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_TUBA26
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	64	28.2	27.944	30.	26.	1.38	1.175	26.2	26.825	28.9	29.35
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	64	30.	40.531	100.	0.	745.84	27.31	10.	20.	50.	87.5
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	62	5.	5.927	12.	0.	7.556	2.749	2.5	5.	8.	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	44	74.6	68.264	93.1	4.6	522.734	22.863	24.5	62.175	82.775	91.35
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	60	3.855	4.206	9.09	2.2	2.358	1.536	2.973	3.	5.	6.609
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	58	54050.	45691.103	56100.	51.	390337962.445	19756.973	54.9	52475.	54700.	55410.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	64	6.75	6.855	8.1	6.	0.273	0.522	6.25	6.5	7.1	7.65
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	54	7.86	7.8	8.64	7.26	0.131	0.361	7.36	7.415	8.112	8.235
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	54	7.86	7.667	8.64	7.26	0.149	0.386	7.36	7.415	8.112	8.235
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	54	0.014	0.022	0.055	0.002	0.	0.016	0.006	0.008	0.038	0.044
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	59	35.8	35.685	37.2	33.3	0.836	0.914	34.2	35.	36.3	36.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	11	0.011	0.016	0.078	0.002	0.	0.021	0.003	0.005	0.014	0.065
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	11	0.001	0.001	0.002	0.001	0.	0.001	0.001	0.001	0.002	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	11	0.004	0.004	0.01	0.001	0.	0.003	0.001	0.002	0.005	0.009
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	11	0.005	0.006	0.02	0.002	0.	0.005	0.002	0.003	0.006	0.017
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	11	0.006	0.01	0.045	0.003	0.	0.012	0.003	0.004	0.009	0.038
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	0.4	0.546	1.8	0.1	0.178	0.422	0.2	0.3	0.7	1.2
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	4.	4.227	9.1	2.2	2.249	1.5	3.	3.	5.	6.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0090

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	64	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	14	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	54	0	0.00	25	0	0.00	12	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	54	0	0.00	25	0	0.00	12	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	30	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.2	27.8	29.4	26.2	1.517	1.232	26.2	26.45	28.8	29.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	50.	46.	99.	15.	697.75	26.415	15.	25.	60.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.111	10.	5.	4.861	2.205	5.	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.	3.117	4.	2.3	0.21	0.458	2.3	3.	3.375	4.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54050.	54050.	54600.	53500.	203333.333	450.925	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.7	6.644	7.	6.1	0.098	0.313	6.1	6.4	6.95	7.
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.7	35.28	36.2	33.3	1.307	1.143	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.3	0.371	0.7	0.2	0.029	0.17	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	3.178	4.	2.3	0.224	0.474	2.3	3.	3.5	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	27.9	27.867	29.2	26.2	0.987	0.993	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	40.	35.	60.	0.	510.	22.583	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	5.	5.833	10.	5.	4.167	2.041	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	60.6	48.867	79.	7.	1399.253	37.407	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	5	3.	3.1	3.5	3.	0.05	0.224	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	52400.	52316.667	53100.	51400.	361666.667	601.387	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	6.85	6.833	7.5	6.2	0.279	0.528	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	34.55	34.45	35.	33.8	0.187	0.432	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.8	0.783	1.	0.6	0.026	0.16	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	3.	3.083	3.5	3.	0.042	0.204	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.6	28.27	30.	26.2	1.445	1.202	26.27	26.975	29.075	29.93
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	50.	58.	95.	30.	645.556	25.408	30.	37.5	90.	94.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	7.	10.	5.	6.667	2.582	5.	5.	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	70.2	66.47	80.	42.1	135.54	11.642	43.49	57.425	74.875	79.69
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	3.5	3.275	3.75	2.5	0.145	0.381	2.55	3.	3.5	3.725
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	10	54300.	54320.	55200.	53700.	241777.778	491.709	53700.	53850.	54725.	55160.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	7.05	7.12	7.8	6.6	0.171	0.413	6.61	6.775	7.6	7.78
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	10	36.	35.96	36.6	35.5	0.132	0.363	35.5	35.575	36.225	36.57
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.4	0.533	1.1	0.2	0.1	0.316	0.2	0.25	0.8	1.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	3.5	3.28	3.8	2.5	0.151	0.388	2.55	3.	3.5	3.77

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.1	27.88	29.6	26.3	1.553	1.246	26.3	26.525	29.05	29.56
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	30.	33.	65.	10.	306.667	17.512	10.	21.25	50.	63.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	5.9	10.	2.5	4.211	2.052	2.75	5.	7.5	9.75
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	68.85	60.02	77.	21.5	387.057	19.674	22.1	48.125	72.15	76.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	4.	4.125	5.	3.	0.482	0.694	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54700.	54088.889	56100.	51200.	2431111.111	1559.202	51200.	52850.	55300.	56100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	7.25	7.1	8.	6.3	0.371	0.609	6.31	6.475	7.97
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.2	35.767	37.1	33.7	1.208	1.099	33.7	34.9	37.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.5	0.8	1.8	0.3	0.313	0.559	0.3	0.35	1.8
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	4.25	4.15	5.	3.	0.614	0.784	3.	3.375	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.5	28.027	29.8	26.	1.53	1.237	26.04	26.9	29.68
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	30.	40.	80.	20.	440.	20.976	21.	25.	80.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	3.	4.5	10.	0.5	10.125	3.182	0.5	2.25	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	86.8	77.956	92.2	4.6	778.498	27.902	4.6	80.3	92.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	5.	4.548	5.5	2.2	1.269	1.126	2.283	3.758	5.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54300.	54209.091	55200.	52400.	636909.091	798.066	52580.	54000.	55180.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.7	6.773	7.9	6.	0.354	0.595	6.06	6.3	7.88
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.9	35.836	36.7	34.5	0.389	0.623	34.6	35.7	36.64
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	0.55	0.68	1.8	0.2	0.344	0.587	0.2	0.275	1.79
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	5.	4.55	5.5	2.2	1.287	1.135	2.28	3.75	5.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.3	27.889	29.6	26.1	1.956	1.399	26.1	26.6	29.35
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	20.	36.111	90.	5.	1292.361	35.949	5.	7.5	90.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	6.667	12.	5.	7.25	2.693	5.	5.	12.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	93.	90.867	93.1	86.5	14.303	3.782	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	4.88	5.021	7.92	2.6	3.483	1.866	2.6	3.46	7.92
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55000.	54800.	55900.	53300.	867500.	931.397	53300.	53900.	55900.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.6	6.667	7.5	6.	0.243	0.492	6.	6.3	7.5
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.5	36.311	37.2	35.2	0.521	0.722	35.2	35.55	37.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.267	0.4	0.2	0.005	0.071	0.2	0.2	0.4
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.9	5.189	7.9	2.7	2.784	1.668	2.7	4.15	7.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.1	27.8	29.3	26.2	1.29	1.136	26.2	26.55	29.3
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	15.	32.778	100.	5.	1344.444	36.667	5.	7.5	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.333	10.	0.	15.75	3.969	0.	1.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	75.9	68.656	83.	8.2	562.395	23.715	8.2	65.9	83.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	5.45	5.823	9.09	2.97	4.633	2.152	2.97	4.255	9.09
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.778	56.	51.	2.694	1.641	51.	52.5	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.6	6.8	8.1	6.2	0.317	0.563	6.2	6.45	8.1
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	35.8	35.533	37.2	34.	1.083	1.04	34.	34.6	37.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.3	0.411	1.5	0.1	0.179	0.423	0.1	0.2	1.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	5.5	5.856	9.1	3.	4.588	2.142	3.	4.3	9.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	31	28.9	28.69	30.	27.	0.656	0.81	27.2	28.2	29.3	29.6
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	31	40.	47.065	100.	5.	946.129	30.759	6.	25.	80.	94.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	31	5.	5.581	10.	0.	7.885	2.808	2.1	5.	7.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	30	3.875	4.399	9.09	2.2	3.306	1.818	2.682	3.	5.113	7.799
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	30	54050.	46810.467	55900.	51.	349016819.775	18681.992	55.	52650.	54525.	55360.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	31	6.5	6.677	8.1	6.	0.287	0.536	6.1	6.3	7.	7.58
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	25	7.86	7.755	8.26	7.26	0.112	0.335	7.35	7.385	8.045	8.194
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	25	7.86	7.637	8.26	7.26	0.126	0.356	7.35	7.385	8.045	8.194
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	25	0.014	0.023	0.055	0.005	0.	0.016	0.006	0.009	0.041	0.045
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	30	35.8	35.677	37.2	33.7	0.738	0.859	34.05	35.325	36.2	36.77
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	30	0.4	0.57	1.8	0.2	0.181	0.425	0.2	0.3	0.7	1.47
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	30	3.9	4.407	9.1	2.2	3.299	1.816	2.73	3.	5.125	7.78

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	14	26.25	26.4	27.8	26.	0.208	0.456	26.05	26.2	26.425	27.35
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	14	25.	28.571	70.	10.	317.033	17.805	10.	13.75	38.75	60.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	13	5.	6.692	12.	2.5	7.356	2.712	3.5	5.	9.	11.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	12	3.265	3.864	7.01	2.6	1.619	1.272	2.72	3.	4.668	6.407
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	12	53400.	44967.333	55200.	53.	441031184.424	21000.742	53.6	52475.	54775.	55170.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	14	6.9	6.936	7.8	6.5	0.135	0.367	6.5	6.675	7.15	7.6
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	12	7.86	7.852	8.4	7.39	0.098	0.313	7.405	7.55	8.06	8.34
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	12	7.856	7.753	8.4	7.39	0.109	0.33	7.405	7.55	8.06	8.34
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	12	0.014	0.018	0.041	0.004	0.	0.012	0.005	0.009	0.029	0.039
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	13	35.3	35.462	36.7	33.3	0.954	0.977	33.78	34.85	36.25	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	13	0.5	0.462	1.1	0.2	0.074	0.272	0.2	0.2	0.6	0.98
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	14	3.75	3.986	7.	3.	1.392	1.18	3.	3.	4.775	6.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	19	28.1	27.863	29.4	26.6	0.767	0.876	26.6	26.9	28.6	28.9
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	19	30.	38.684	90.	0.	616.228	24.824	5.	20.	50.	80.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	18	5.	5.972	10.	0.5	7.337	2.709	1.85	5.	8.125	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	18	4.	4.113	6.67	2.3	1.338	1.157	2.93	3.188	4.973	6.121
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	16	54300.	44135.125	56100.	52.	479588041.05	21899.499	53.4	52000.	55100.	55750.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	19	7.	7.084	8.	6.2	0.265	0.515	6.4	6.7	7.6	7.9
00406	PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	17	7.87	7.83	8.64	7.33	0.191	0.437	7.386	7.41	8.205	8.392
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	17	7.87	7.656	8.64	7.33	0.223	0.473	7.386	7.41	8.205	8.392
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	17	0.013	0.022	0.047	0.002	0.	0.017	0.004	0.006	0.039	0.041
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	16	35.9	35.881	37.2	34.1	0.959	0.979	34.17	35.175	36.75	37.13
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	16	0.35	0.569	1.8	0.1	0.273	0.522	0.17	0.225	0.825	1.73
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	19	4.	4.121	6.7	2.3	1.316	1.147	3.	3.3	4.9	6.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0091

NPS Station ID: VIIS0091
 Location: CRUZ BAY FERRY DOCK
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: VIRGIN ISLANDS
 Minor Basin: VIRGIN ISLANDS
 RF1 Index: 21020001
 RF3 Index:

LAT/LON: 18.333337/ -64.796921

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 11NPSWRD
 FIPS State/County: 78020 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): VIIS_CBFD27
 Within Park Boundary: No

Date Created: 12/17/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 DATA COLLECTED BY VIRGIN ISLANDS NATIONAL PARK AS PART OF A WATER QUALITY MONITORING PROGRAM DESIGNED TO MONITOR THE IMPACT OF ISLAND DEVELOPMENT AND RECREATION ON SHORELINE WATERS AROUND ST. JOHN - BOTH INSIDE AND OUTSIDE THE PARK. THE RESOURCE MANAGEMENT STAFF AT VIRGIN ISLANDS NATIONAL PARK MAY BE REACHED AT (809) 693-8950.

Parameter Inventory for Station: VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	64	28.15	27.942	29.8	24.5	1.519	1.233	26.25	26.825	29.	29.4
00032 CLOUD COVER (PERCENT)	01/28/88-10/26/94	64	30.	40.063	100.	5.	776.282	27.862	10.	20.	50.	90.
00035 WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	62	5.	5.387	15.	0.	9.323	3.053	1.3	4.75	7.5	10.
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	44	24.15	22.525	38.6	6.2	58.947	7.678	10.85	16.3	28.2	31.75
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	60	3.	3.01	8.	0.5	1.107	1.052	2.	2.5	3.5	4.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	58	54100.	45719.552	56100.	51.	390816996.111	19769.092	54.9	52500.	54700.	55510.
00300 OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	64	6.4	6.475	8.5	5.5	0.247	0.497	5.95	6.1	6.7	7.1
00406 PH, FIELD, STANDARD UNITS SU	01/28/88-09/20/94	54	7.785	7.757	8.61	7.26	0.124	0.353	7.35	7.387	8.055	8.21
00406 CONVERTED PH, FIELD, STANDARD UNITS	01/28/88-09/20/94	54	7.784	7.633	8.61	7.26	0.14	0.374	7.35	7.387	8.055	8.21
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/88-09/20/94	54	0.016	0.023	0.055	0.002	0.	0.016	0.006	0.009	0.041	0.045
00480 SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	59	35.9	35.692	37.3	33.4	0.838	0.915	34.3	35.1	36.2	36.9
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.009	0.009	0.018	0.001	0.	0.004	0.002	0.007	0.011	0.017
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.001	0.001	0.002	0.	0.	0.001	0.	0.001	0.002	0.002
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/93-10/26/94	12	0.002	0.002	0.009	0.	0.	0.002	0.	0.001	0.003	0.008
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/93-10/26/94	12	0.003	0.004	0.01	0.	0.	0.003	0.	0.001	0.005	0.009
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/93-10/26/94	12	0.006	0.005	0.007	0.002	0.	0.002	0.002	0.003	0.007	0.007
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	59	1.	1.037	3.3	0.1	0.369	0.607	0.4	0.6	1.3	1.5
82903 DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	63	4.	3.74	9.	1.4	1.015	1.008	2.44	3.5	4.	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0091

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	64	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
						31	0	0.00	14	0	0.00	19	0	0.00			
00406 PH, FIELD	Other-Hi Lim.	9.	54	0	0.00	25	0	0.00	12	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	54	0	0.00	25	0	0.00	12	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	59	0	0.00	30	0	0.00	13	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1988 - Station VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.1	27.722	29.2	26.2	1.499	1.225	26.2	26.35	28.85	29.2
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	50.	48.222	99.	15.	718.444	26.804	15.	27.5	65.	99.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	8	3.25	3.031	3.75	2.	0.472	0.687	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	4	54000.	54125.	54700.	53800.	182500.	427.2	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.4	6.389	7.1	5.7	0.139	0.372	5.7	6.2	6.55	7.1
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	5	35.7	35.34	36.2	33.4	1.243	1.115	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	7	0.3	0.543	1.4	0.1	0.216	0.465	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.5	3.311	4.	2.	0.659	0.812	2.	2.5	4.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	6	27.8	27.25	29.2	24.5	2.727	1.651	**	**	**	**
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	6	40.	40.	80.	10.	640.	25.298	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	6	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	25.9	23.467	28.5	16.	43.503	6.596	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	5	3.	3.4	8.	0.5	7.925	2.815	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	6	52450.	52425.	53150.	51700.	227750.	477.232	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	6	6.2	6.15	6.7	5.5	0.211	0.459	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	6	34.55	34.533	35.1	34.	0.139	0.372	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	6	0.95	0.883	1.3	0.5	0.114	0.337	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	6	4.	4.667	9.	3.	4.767	2.183	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station VIIS0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	28.7	28.29	29.8	26.3	1.432	1.197	26.36	26.975	29.25	29.76
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	50.	58.5	95.	30.	655.833	25.609	30.	37.5	90.	94.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	7.5	6.5	10.	0.	16.944	4.116	0.	3.75	10.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	21.9	21.54	32.	10.9	61.465	7.84	11.18	14.225	30.4	31.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	3.25	3.255	4.5	2.5	0.561	0.749	2.5	2.5	3.85	4.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	10	54400.	54390.	55300.	53700.	243222.222	493.176	53710.	54025.	54750.	55260.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.65	6.62	7.3	6.1	0.122	0.349	6.11	6.35	6.825	7.26
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	10	36.05	35.99	36.7	35.4	0.148	0.384	35.41	35.725	36.225	36.66
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.7	0.756	1.3	0.4	0.085	0.292	0.4	0.5	0.95	1.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	4.	3.83	4.5	2.5	0.333	0.577	2.6	3.5	4.125	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	10	27.75	27.84	29.4	26.2	1.509	1.229	26.23	26.725	29.175	29.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	10	30.	31.5	75.	10.	433.611	20.823	10.	17.5	37.5	73.5
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	10	5.	5.4	7.5	2.5	2.711	1.647	2.65	4.75	7.5	7.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	10	23.8	21.04	29.	6.2	64.667	8.042	6.28	17.2	26.4	28.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	10	3.	2.98	4.	2.	0.315	0.561	2.05	2.5	3.35	3.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54600.	54011.111	55800.	51300.	2231111.111	1493.69	51300.	52800.	55300.	55800.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	10	6.6	6.75	8.5	5.6	0.718	0.848	5.65	6.1	7.225	8.41
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.1	35.733	37.1	33.7	1.208	1.099	33.7	34.9	36.65	37.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.1	1.444	3.3	0.3	0.86	0.928	0.3	0.95	2.	3.3
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	4.	4.05	4.5	3.5	0.136	0.369	3.5	3.875	4.5	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station VIIS0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	11	28.8	28.209	29.8	26.	1.563	1.25	26.1	26.8	29.	29.7
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	11	30.	37.727	90.	15.	511.818	22.623	16.	20.	40.	86.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	3.	4.389	10.	1.	8.799	2.966	1.	2.25	6.75	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	25.5	24.589	32.8	10.8	58.239	7.631	10.8	17.85	30.85	32.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	2.5	2.822	4.4	2.	0.817	0.904	2.	2.1	3.6	4.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	11	54200.	54181.818	55200.	52500.	691636.364	831.647	52620.	53700.	54800.	55200.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	11	6.6	6.591	7.6	6.	0.205	0.453	6.02	6.1	6.8	7.46
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	11	35.9	35.773	36.6	34.5	0.41	0.64	34.58	35.5	36.2	36.58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	10	1.05	1.12	2.1	0.5	0.197	0.444	0.52	0.85	1.325	2.03
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	10	4.	3.69	4.5	2.3	0.601	0.775	2.32	3.1	4.25	4.49

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station VIIS0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	27.5	27.978	29.4	26.3	1.774	1.332	26.3	26.75	29.35	29.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	30.	40.	90.	5.	1237.5	35.178	5.	10.	82.5	90.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	5.944	15.	0.	20.153	4.489	0.	2.75	9.	15.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	3	34.3	31.433	38.6	21.4	80.123	8.951	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.4	3.02	3.96	1.7	0.869	0.932	1.7	2.1	3.88	3.96
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	55500.	54911.111	56100.	53200.	1086111.111	1042.167	53200.	53900.	55700.	56100.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.222	6.5	5.9	0.054	0.233	5.9	6.	6.45	6.5
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.7	36.367	37.3	35.1	0.627	0.792	35.1	35.55	36.95	37.3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	0.8	0.9	1.5	0.6	0.093	0.304	0.6	0.65	1.15	1.5
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	4.	4.067	4.6	3.7	0.13	0.361	3.7	3.7	4.45	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station VIIS0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/88-10/26/94	9	28.3	27.989	29.4	26.4	1.044	1.022	26.4	26.9	28.7	29.4
00032	CLOUD COVER (PERCENT)	01/28/88-10/26/94	9	10.	23.889	100.	5.	998.611	31.601	5.	10.	30.	100.
00035	WIND VELOCITY (MILES PER HOUR)	01/28/88-10/26/94	9	5.	4.111	10.	0.	9.611	3.1	0.	1.	5.	10.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/08/89-10/26/94	9	19.9	19.922	27.3	10.	39.319	6.271	10.	14.65	25.8	27.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/28/88-10/26/94	9	3.03	2.714	4.24	1.4	0.808	0.899	1.4	1.935	3.18	4.24
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/10/88-10/26/94	9	54.	53.778	56.	51.	2.694	1.641	51.	52.5	55.	56.
00300	OXYGEN, DISSOLVED MG/L	01/28/88-10/26/94	9	6.3	6.422	7.2	6.1	0.117	0.342	6.1	6.2	6.55	7.2
00480	SALINITY - PARTS PER THOUSAND	01/28/88-10/26/94	9	36.	35.511	37.	33.9	1.099	1.048	33.9	34.55	36.2	37.
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/88-10/26/94	9	1.3	1.444	3.1	0.8	0.455	0.675	0.8	1.05	1.6	3.1
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	01/28/88-10/26/94	9	3.	2.833	4.2	1.4	0.868	0.931	1.4	1.95	3.5	4.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	31	29.	28.729	29.8	26.8	0.707	0.841	27.1	28.2	29.4	29.4
00032	CLOUD COVER (PERCENT)	31	30.	44.161	100.	5.	1014.806	31.856	10.	15.	75.	94.
00035	WIND VELOCITY (MILES PER HOUR)	31	5.	4.935	10.	0.	8.962	2.994	0.	3.	6.	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	29	3.	3.151	8.	2.	1.395	1.181	2.	2.46	3.705	4.24
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	30	54100.	46877.133	56100.	51.	350046640.464	18709.533	55.	52725.	54700.	55500.
00300	OXYGEN, DISSOLVED MG/L	31	6.3	6.284	7.1	5.6	0.123	0.35	5.82	6.1	6.5	6.78
00406	PH, FIELD, STANDARD UNITS SU	25	7.81	7.723	8.25	7.26	0.104	0.322	7.33	7.355	7.985	8.15
00406	CONVERTED PH, FIELD, STANDARD UNITS	25	7.81	7.614	8.25	7.26	0.116	0.34	7.33	7.355	7.985	8.15
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	25	0.015	0.024	0.055	0.006	0.	0.017	0.007	0.01	0.044	0.047
00480	SALINITY - PARTS PER THOUSAND	30	35.85	35.71	37.3	33.7	0.749	0.866	34.07	35.35	36.2	36.88
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	30	1.1	1.17	3.3	0.3	0.518	0.72	0.5	0.675	1.325	2.49
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	30	3.9	3.78	9.	2.	1.511	1.229	2.41	3.225	4.05	4.59

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	14	26.3	26.229	26.8	24.5	0.293	0.541	25.25	26.2	26.5	26.75
00032	CLOUD COVER (PERCENT)	14	30.	30.	80.	10.	396.154	19.904	10.	10.	38.75	65.
00035	WIND VELOCITY (MILES PER HOUR)	13	5.	5.769	15.	2.5	10.817	3.289	2.5	5.	5.	13.
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	2.5	2.423	4.4	0.5	0.964	0.982	0.86	1.7	3.	4.04
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12	53350.	44929.833	55200.	53.	440254477.606	20982.242	53.6	52525.	54600.	55200.
00300	OXYGEN, DISSOLVED MG/L	14	6.55	6.671	7.6	5.5	0.302	0.55	5.9	6.4	6.975	7.6
00406	PH, FIELD, STANDARD UNITS SU	12	7.79	7.788	8.37	7.38	0.1	0.317	7.389	7.48	8.	8.31
00406	CONVERTED PH, FIELD, STANDARD UNITS	12	7.783	7.692	8.37	7.38	0.11	0.332	7.389	7.48	8.	8.31
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12	0.016	0.02	0.042	0.004	0.	0.013	0.005	0.01	0.033	0.041
00480	SALINITY - PARTS PER THOUSAND	13	35.3	35.454	36.6	33.4	0.896	0.947	33.84	34.85	36.2	36.56
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	13	1.	1.054	2.1	0.3	0.243	0.493	0.38	0.7	1.35	1.94
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	14	3.85	3.593	4.5	1.4	0.762	0.873	1.85	3.225	4.1	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0091

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	19	28.	27.921	29.2	26.5	0.577	0.76	27.	27.2	28.5	28.9
00032	CLOUD COVER (PERCENT)	19	40.	40.789	90.	5.	631.287	25.125	10.	20.	50.	90.
00035	WIND VELOCITY (MILES PER HOUR)	18	5.	5.889	10.	0.	9.252	3.042	0.9	5.	8.5	10.
00078	TRANSPARENCY, SECCHI DISC (METERS)	18	3.5	3.207	4.2	1.45	0.526	0.726	1.945	2.875	3.763	4.02
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	16	54250.	44141.375	55800.	52.	479658864.383	21901.116	53.4	52250.	55200.	55730.
00300	OXYGEN, DISSOLVED MG/L	19	6.5	6.642	8.5	6.1	0.319	0.565	6.1	6.2	6.7	7.3
00406	PH, FIELD, STANDARD UNITS SU	17	7.73	7.786	8.61	7.31	0.184	0.429	7.358	7.38	8.17	8.346
00406	CONVERTED PH, FIELD, STANDARD UNITS	17	7.73	7.623	8.61	7.31	0.212	0.461	7.358	7.38	8.17	8.346
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	17	0.019	0.024	0.049	0.002	0.	0.017	0.005	0.007	0.042	0.044
00480	SALINITY - PARTS PER THOUSAND	16	36.	35.85	37.1	34.	0.999	0.999	34.21	35.05	36.85	37.03
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	16	0.8	0.775	1.3	0.1	0.121	0.347	0.17	0.5	1.1	1.16
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	19	4.	3.784	4.5	1.5	0.49	0.7	3.	3.5	4.2	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VIIS0092

NPS Station ID: VIIS0092
 Location: CRUZ BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.333615/ -64.797226

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-51 /STJ-1
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0092

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.6	29.	27.8	0.48	0.693	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.	5.825	6.3	5.	0.349	0.591	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.4	33.4	33.6	33.2	0.08	0.283	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	24.	24.	36.	12.	288.	16.971	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/18/72-11/09/79	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/18/72-11/09/79	3	0.22	0.21	0.38	0.03	0.031	0.175	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/18/72-11/09/79	3	0.019	0.02	0.025	0.015	0.	0.005	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.15	3.15	3.9	2.4	1.125	1.061	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/18/72-11/18/72	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/18/72-11/18/72	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/18/72-11/18/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/18/72-11/18/72	1 ##	35.	35.	35.	35.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/18/72-11/18/72	1	460.	460.	460.	460.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/18/72-11/18/72	1	520.	520.	520.	520.	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	10.	505.	2000.	0.	993433.333	996.711	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	11/15/72-11/09/79	4	0.651	1.151	3.301	0.	2.432	1.559	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			14.142								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	100.5	100.5	200.	1.	19800.5	140.714	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	1.151	1.151	2.301	0.	2.647	1.627	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			14.142								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
71900 MERCURY, TOTAL (UG/L AS HG)	11/18/72-11/18/72	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0092

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----	-----12/15-3/14-----	-----3/15-6/30-----	-----n/a-----
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VIIS0092

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL	43.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	2.9	1	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	220.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	95.	1	1	1.00	1	1	1.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	1000.	4	1	0.25	4	1	0.25									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	200.	2	1	0.50	2	1	0.50									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	2.1	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0093

NPS Station ID: VIIS0093
 Location: TURNER BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN -50 FT OFF DRAIN
 Minor Basin: TO ENIGHED POND DEPTH 3.5/4.5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.328337/ -64.797226

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/ST. JOHN
 STORET Station ID(s): 55 /STJ55
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	45	27.3	27.273	29.7	23.8	2.297	1.516	25.	26.1	28.6	29.04
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	37	0.4	1.519	14.	0.1	10.362	3.219	0.2	0.3	0.65	6.68
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	45	2.	2.178	4.5	0.	4.604	2.146	0.	0.	4.5	4.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/03/77-09/26/79	16	6.4	6.45	7.8	5.9	0.173	0.416	6.04	6.225	6.5	7.1
00300	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	29	6.6	6.621	7.4	5.9	0.105	0.323	6.3	6.5	6.7	7.2
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	37	8.2	8.215	8.45	8.	0.008	0.09	8.1	8.2	8.25	8.36
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	37	8.2	8.206	8.45	8.	0.008	0.09	8.1	8.2	8.25	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	37	0.006	0.006	0.01	0.004	0.	0.001	0.004	0.006	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	44	35.65	35.807	38.5	34.	0.917	0.958	34.8	35.05	36.35	37.15
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/20/85-03/18/86	4	1.3	1.55	3.	0.6	1.37	1.17	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	4 ##	0.005	0.005	0.01	0.001	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/20/85-03/18/86	4 ##	0.05	0.053	0.1	0.01	0.001	0.037	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/85-03/18/86	4 ##	0.005	0.005	0.01	0.001	0.	0.004	**	**	**	**
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/73-09/30/86	46	0.	3.141	94.	0.	193.407	13.907	0.	0.	1.	5.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/29/73-09/30/86	46	0.	0.132	1.973	-0.301	0.169	0.411	0.	0.	0.	0.699
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.354								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/31/84-09/30/86	9	0.3	0.569	1.3	0.04	0.292	0.54	0.04	0.04	1.1	1.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

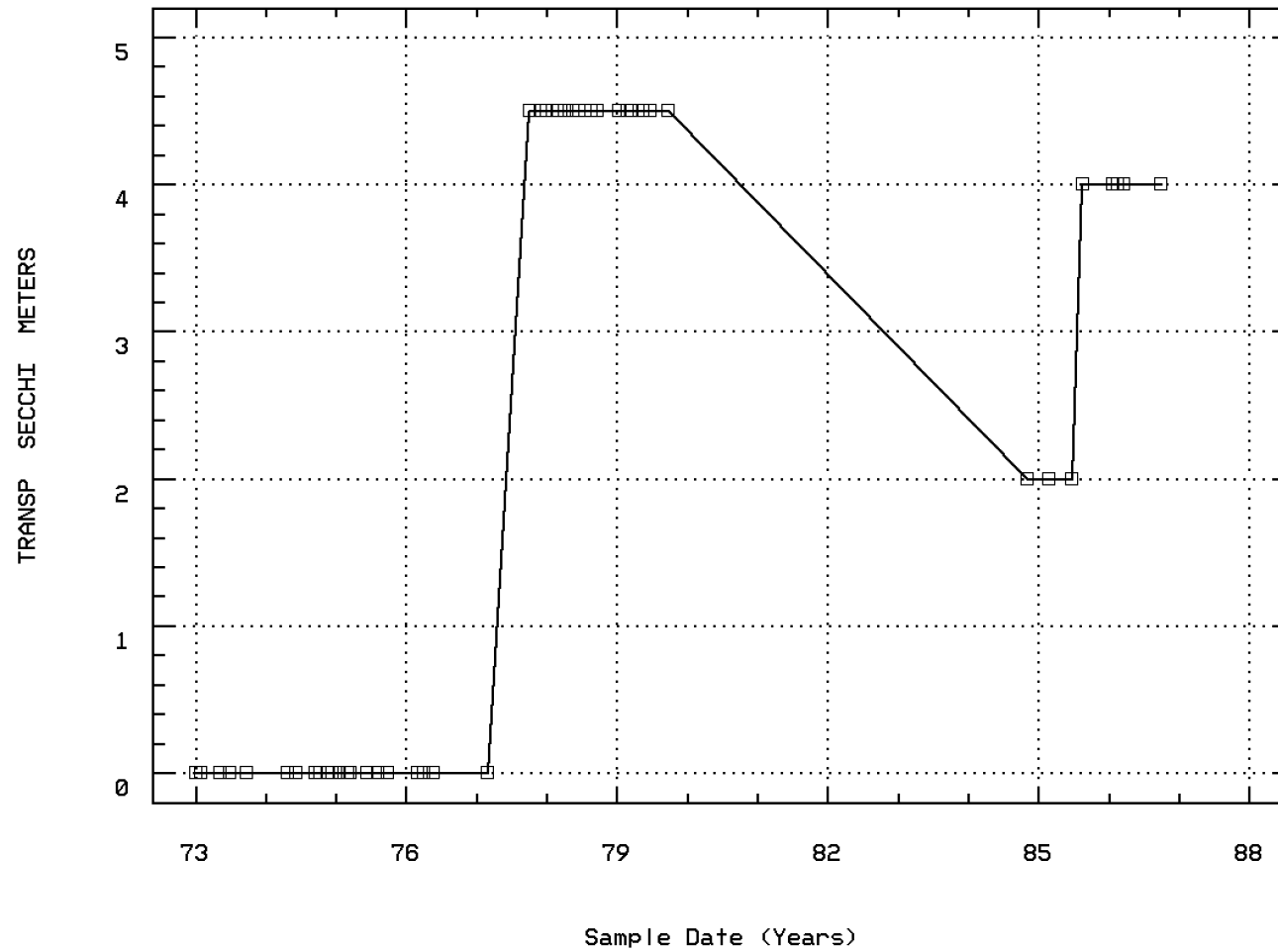
EPA Water Quality Criteria Analysis for Station: VIIS0093

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	37	0	0.00	13	0	0.00	11	0	0.00	13	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	29	0	0.00	10	0	0.00	10	0	0.00	9	0	0.00		
00400	PH	Other-Hi Lim.	9.	37	0	0.00	13	0	0.00	11	0	0.00	13	0	0.00		
		Other-Lo Lim.	6.5	37	0	0.00	13	0	0.00	11	0	0.00	13	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	46	0	0.00	17	0	0.00	13	0	0.00	16	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VIIS0093 Parameter Code: 00078

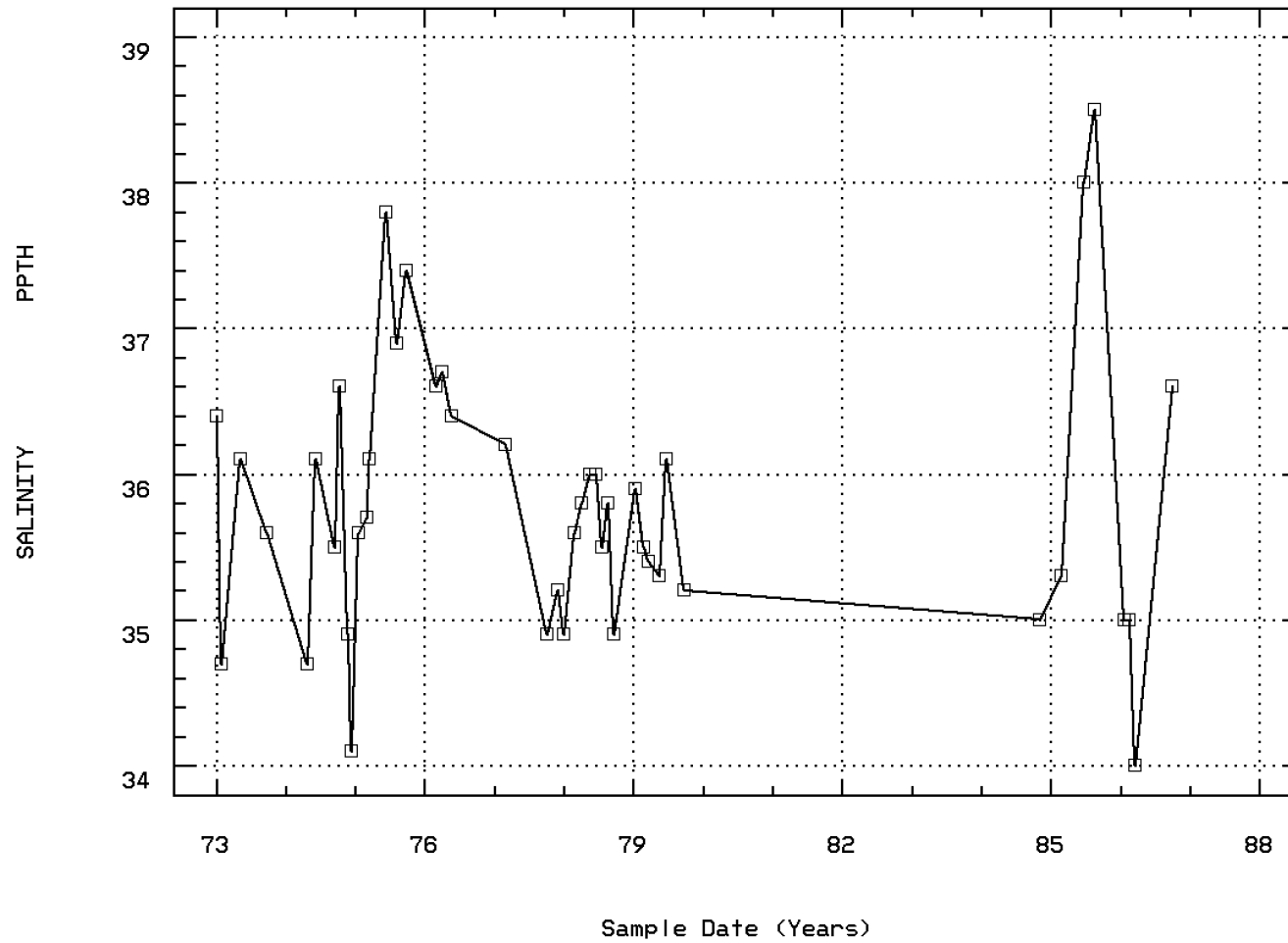
TRANSPARENCY, SECCHI DISC (METERS)



TURNER BAY

Station: VIIS0093 Parameter Code: 00480

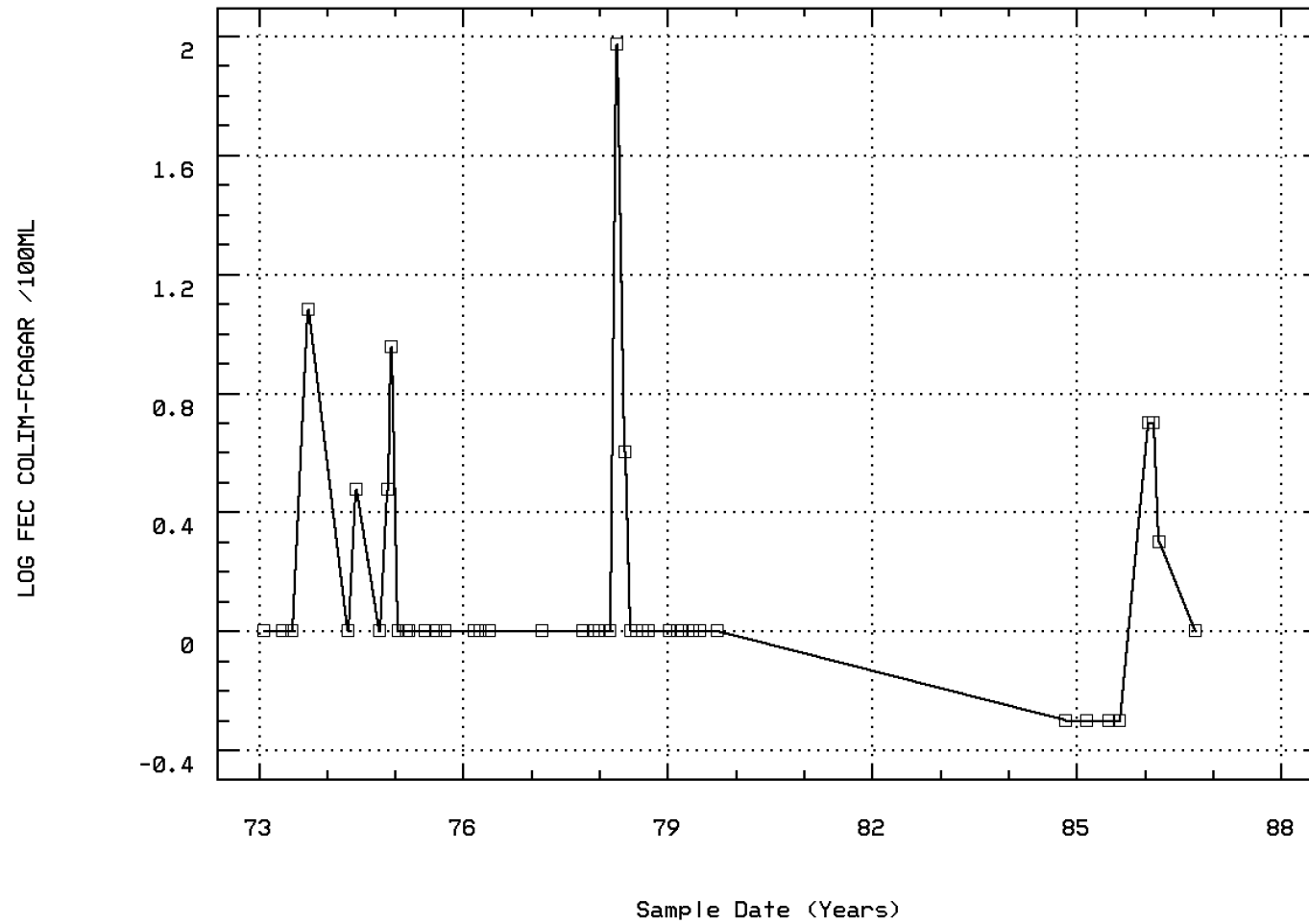
SALINITY - PARTS PER THOUSAND



TURNER BAY

Station: VIIS0093 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



TURNER BAY

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	16	28.4	28.144	29.7	25.	1.211	1.1	26.4	27.7	28.8	29.28
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	13	0.3	0.931	8.2	0.1	4.792	2.189	0.14	0.2	0.5	5.16
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	16	3.	2.313	4.5	0.	4.796	2.19	0.	0.	4.5	4.5
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	10	6.55	6.54	7.4	5.9	0.189	0.435	5.91	6.225	6.75	7.35
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	13	8.2	8.215	8.4	8.1	0.006	0.075	8.12	8.175	8.25	8.36
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	13	8.2	8.21	8.4	8.1	0.006	0.075	8.12	8.175	8.25	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	13	0.006	0.006	0.008	0.004	0.	0.001	0.004	0.006	0.007	0.008
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	16	35.5	35.788	38.5	34.1	1.283	1.132	34.66	34.925	36.6	37.73
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/73-09/30/86	17	0.	1.618	12.	0.	12.017	3.466	0.	0.	1.	9.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/29/73-09/30/86	17	0.	0.095	1.079	-0.301	0.151	0.389	0.	0.	0.	0.979
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.243								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	14	26.	25.793	27.	23.8	0.876	0.936	24.3	25.	26.625	26.95
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	11	0.5	1.127	6.3	0.1	3.202	1.789	0.14	0.3	1.2	5.42
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	14	1.	2.	4.5	0.	4.692	2.166	0.	0.	4.5	4.5
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	10	6.7	6.7	7.2	6.3	0.067	0.258	6.32	6.5	6.85	7.18
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	11	8.2	8.227	8.45	8.	0.015	0.121	8.03	8.2	8.3	8.44
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	11	8.2	8.212	8.45	8.	0.015	0.122	8.03	8.2	8.3	8.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	11	0.006	0.006	0.01	0.004	0.	0.002	0.004	0.005	0.006	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	14	35.6	35.607	36.6	34.7	0.344	0.586	34.8	35.	36.125	36.5
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/73-09/30/86	13	0.	0.808	5.	0.	3.481	1.866	0.	0.	0.25	5.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/29/73-09/30/86	13	0.	0.084	0.699	-0.301	0.081	0.285	0.	0.	-0.151	0.699
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.214								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

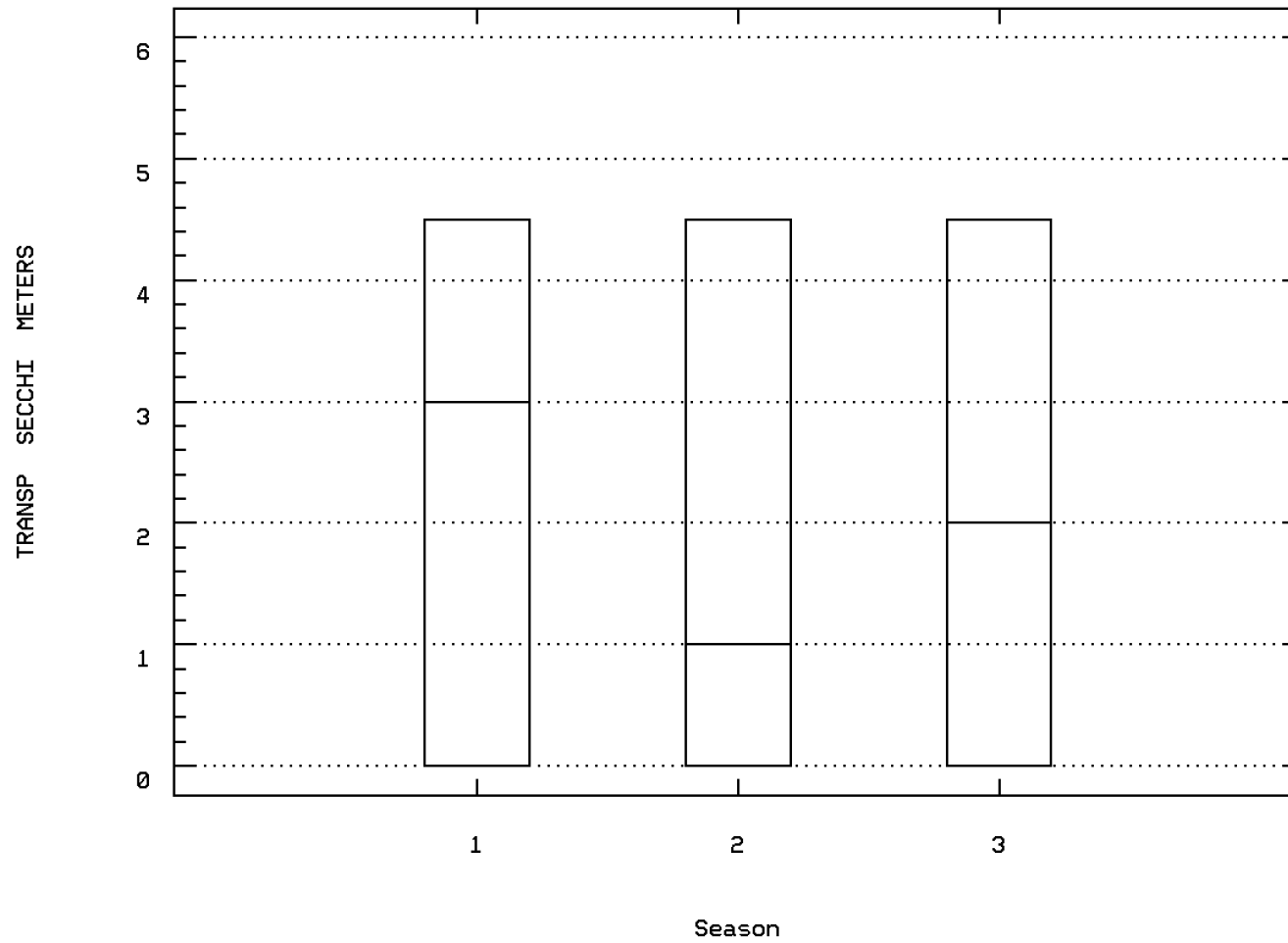
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/73-09/30/86	15	28.	27.727	29.4	24.9	1.832	1.354	25.62	26.5	29.	29.34
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/03/73-09/26/79	13	0.5	2.438	14.	0.2	22.193	4.711	0.24	0.35	0.95	13.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/03/73-09/30/86	15	2.	2.2	4.5	0.	4.921	2.218	0.	0.	4.5	4.5
00300p	OXYGEN, DISSOLVED MG/L	01/03/73-09/30/86	9	6.6	6.622	7.2	6.3	0.062	0.249	6.3	6.5	6.7	7.2
00400	PH (STANDARD UNITS)	01/03/73-09/26/79	13	8.2	8.204	8.35	8.05	0.006	0.078	8.07	8.175	8.25	8.33
00400	CONVERTED PH (STANDARD UNITS)	01/03/73-09/26/79	13	8.2	8.197	8.35	8.05	0.006	0.078	8.07	8.175	8.25	8.33
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-09/26/79	13	0.006	0.006	0.009	0.004	0.	0.001	0.005	0.006	0.007	0.009
00480p	SALINITY - PARTS PER THOUSAND	01/03/73-09/30/86	14	36.05	36.029	38.	34.	1.115	1.056	34.35	35.375	36.475	37.9
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/73-09/30/86	16	0.	6.656	94.	0.	544.091	23.326	0.	0.	2.	31.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/29/73-09/30/86	16	0.	0.21	1.973	-0.301	0.27	0.52	0.	0.	0.301	1.013
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.62								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0093 Parameter Code: 00078

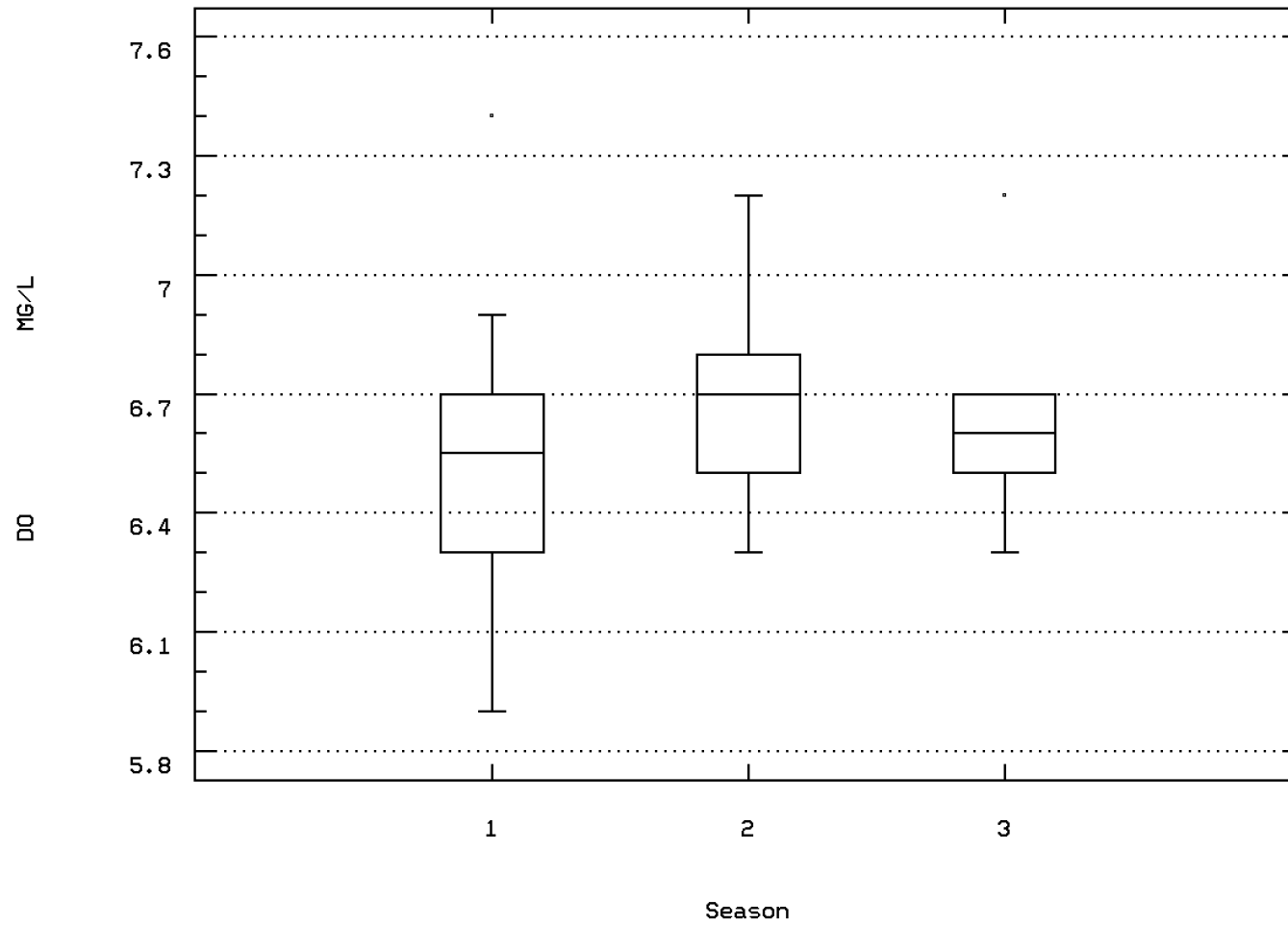
TRANSPARENCY, SECCHI DISC (METERS)



TURNER BAY

Station: VIIS0093 Parameter Code: 00300

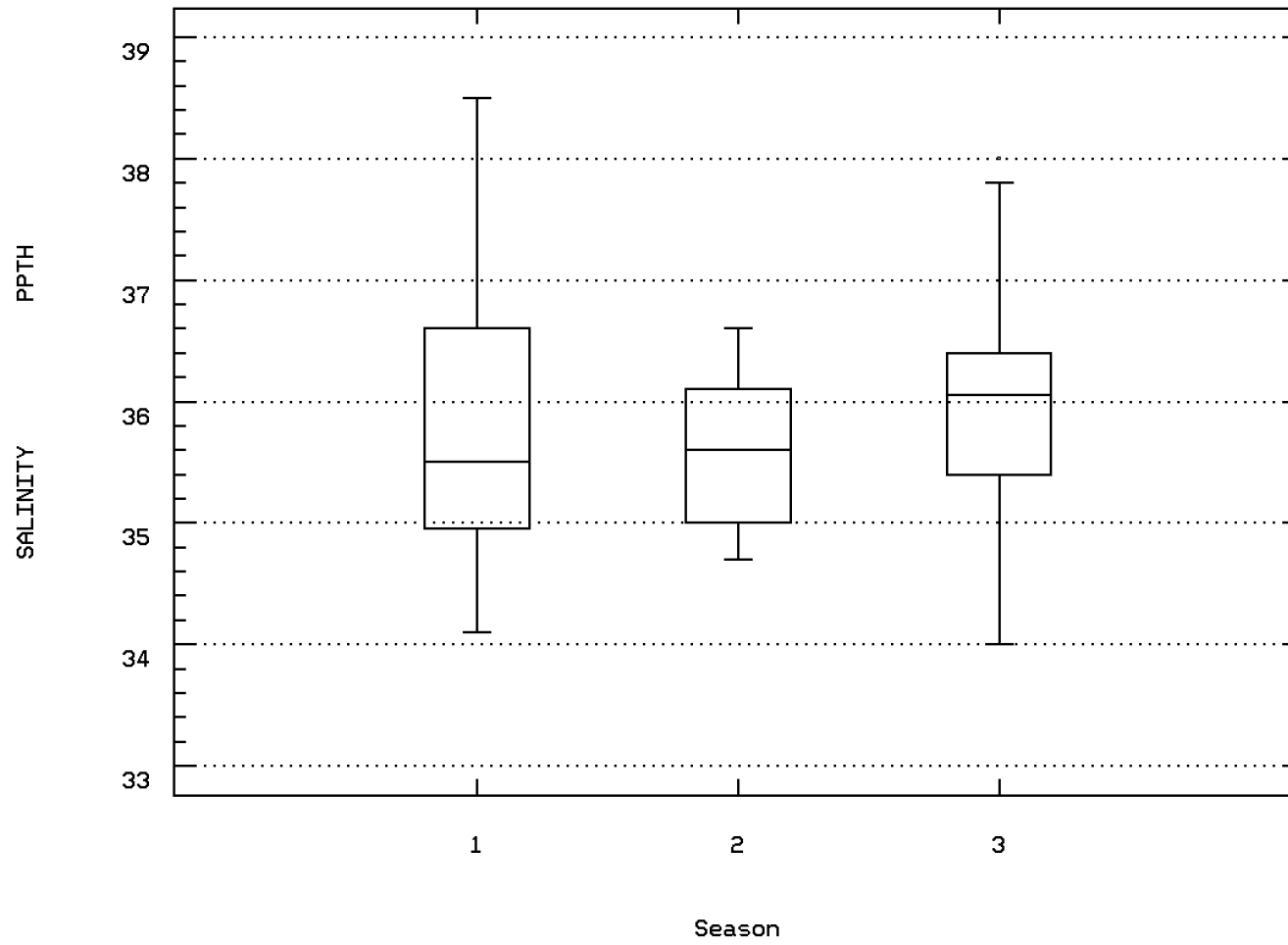
OXYGEN, DISSOLVED



TURNER BAY

Station: VIIS0093 Parameter Code: 00480

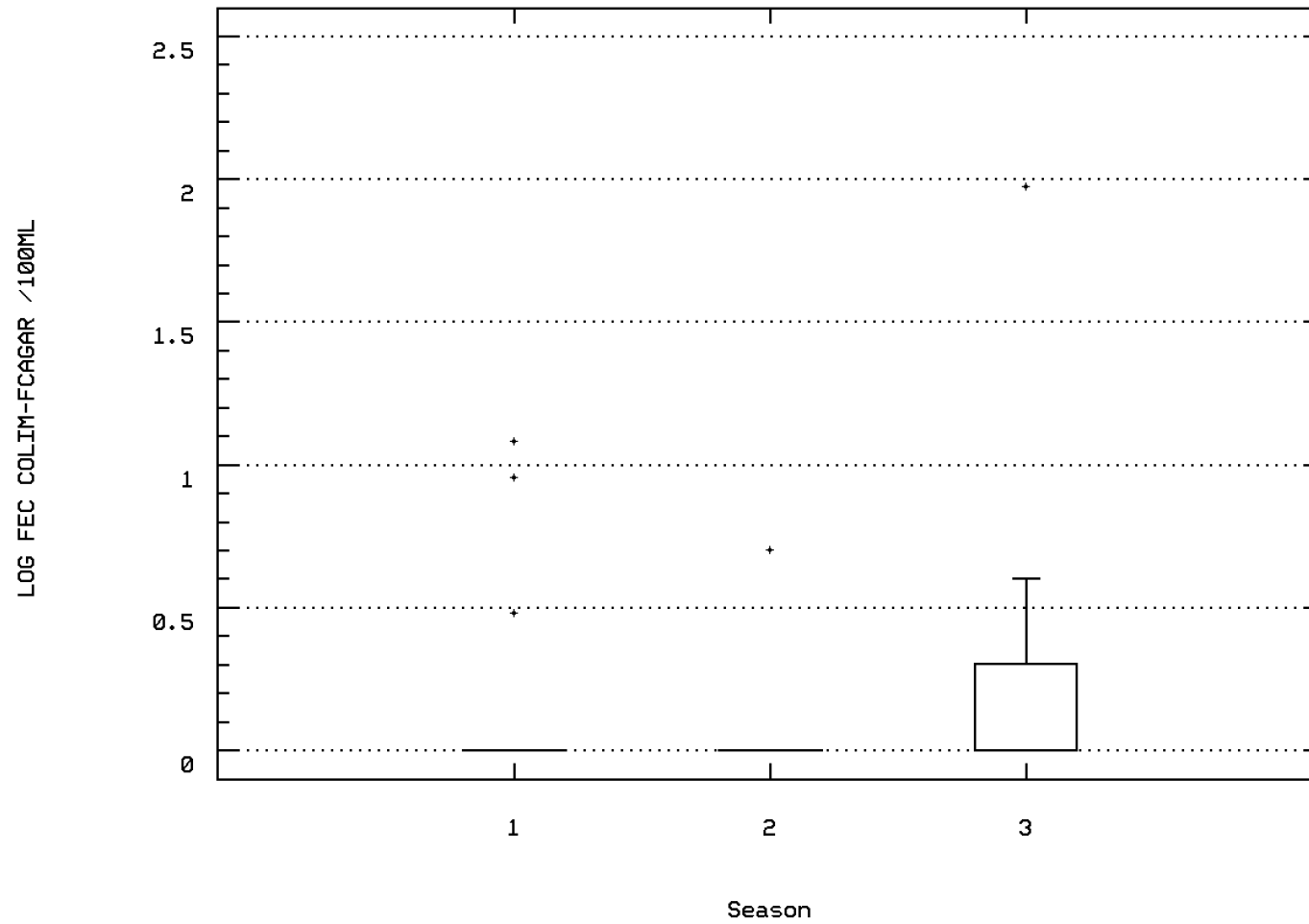
SALINITY - PARTS PER THOUSAND



TURNER BAY

Station: VIIS0093 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



TURNER BAY

Station Inventory for Station: VIIS0094

NPS Station ID: VIIS0094 LAT/LON: 18.328337/ -64.797226
 Location: TURNER BAY 50 F OFF DRAIN TO ENIGHED 3.5/4.5 M
 Station Type: /TYP/A/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001 Depth of Water: 0
 Major Basin: VIRGIN ISLANDS Elevation: 0
 Minor Basin: ST. JOHN
 RF1 Index: 21020001 RF1 Mile Point: 0.000
 RF3 Index: RF3 Mile Point: 0.00
 Description:

Agency: 21V1
 FIPS State/County: 78003 VIRGIN ISLANDS/
 STORET Station ID(s): STJ-55
 Within Park Boundary: No

Date Created: 10/08/83

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0094

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/80-09/30/80	8	27.55	27.65	29.1	26.4	1.3	1.14	**	**	**	**
00032 CLOUD COVER (PERCENT)	01/21/80-09/30/80	8	23.5	32.625	100.	10.	920.268	30.336	**	**	**	**
00035 WIND VELOCITY (MILES PER HOUR)	01/21/80-09/30/80	8	9.5	10.	13.	8.	5.143	2.268	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	01/21/80-09/30/80	8	4.	3.75	4.	3.	0.143	0.378	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/80-09/30/80	8	6.85	6.938	7.8	6.5	0.16	0.4	**	**	**	**
00400 PH (STANDARD UNITS)	01/21/80-09/30/80	8	8.15	8.106	8.25	7.9	0.02	0.14	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	01/21/80-09/30/80	8	8.147	8.086	8.25	7.9	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/80-09/30/80	8	0.007	0.008	0.013	0.006	0.	0.003	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	01/21/80-09/30/80	8	35.85	35.8	36.5	34.4	0.426	0.652	**	**	**	**
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	01/21/80-09/30/80	8 ##	0.5	0.688	2.	0.5	0.281	0.53	**	**	**	**
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	01/21/80-09/30/80	8 ##	-0.301	-0.226	0.301	-0.301	0.045	0.213	**	**	**	**
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			0.595								
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/21/80-09/30/80	8	0.6	0.638	1.	0.3	0.063	0.25	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0094

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
00400 PH	Other-Hi Lim.	9.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
	Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0095

NPS Station ID: VIIS0095
 Location: CRUZ BAY C
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST THOMAS
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.334726/ -64.797226

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-54 /STJ-4 /STJ43C(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0095

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	28.8	28.6	29.	28.	0.28	0.529	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	6.2	6.5	7.8	5.8	0.847	0.92	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.3	33.3	33.6	33.	0.18	0.424	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	17.	17.	24.	10.	98.	9.899	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.215	0.215	0.42	0.01	0.084	0.29	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.016	0.016	0.017	0.015	0.	0.001	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.1	3.1	3.4	2.8	0.18	0.424	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	4	0.5	500.25	2000.	0.	999666.917	999.833	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	4	0.	0.825	3.301	0.	2.724	1.651	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.687								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	104.	104.	208.	0.	21632.	147.078	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	1.159	1.159	2.318	0.	2.687	1.639	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			14.422								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/18/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0095

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	1	0.25	4	1	0.25									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	1	0.50	2	1	0.50									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0096

NPS Station ID: VIIS0096
 Location: CRUZ BAY A
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.333337/ -64.797503

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-52 /STJ-2 /STJ43A(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0096

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/72-11/09/79	3	29.	28.7	29.	28.1	0.27	0.52	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	4	5.85	5.9	6.4	5.5	0.153	0.392	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.85	33.85	34.2	33.5	0.245	0.495	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/09/79	2	22.5	22.5	31.	14.	144.5	12.021	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2	0.14	0.14	0.2	0.08	0.007	0.085	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.017	0.017	0.019	0.015	0.	0.003	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.55	3.55	4.	3.1	0.405	0.636	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/07/79-11/07/79	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	11/09/79-11/09/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/07/79-11/07/79	1 ##	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/07/79-11/07/79	1 ##	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/09/79-11/09/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/07/79-11/07/79	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/09/79-11/09/79	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/07/79-11/07/79	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/09/79-11/09/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	11/07/79-11/07/79	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
01108 ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	11/09/79-11/09/79	1	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
31501 COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 35C	11/15/72-11/09/79	4	220.	217.25	420.	9.	49763.583	223.078	**	**	**	**
31501 LOG COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 3	11/15/72-11/09/79	4	2.102	1.945	2.623	0.954	0.664	0.815	**	**	**	**
31501 GM COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 3	GEOMETRIC MEAN =			88.187								
31613 FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	11/07/79-11/09/79	2	31.5	31.5	63.	0.	1984.5	44.548	**	**	**	**
31613 LOG FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24	11/07/79-11/09/79	2	0.9	0.9	1.799	0.	1.619	1.272	**	**	**	**
31613 GM FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24H	GEOMETRIC MEAN =			7.937								
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	2	56.	56.	110.	2.	5832.	76.368	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/15/72-11/18/72	2	1.171	1.171	2.041	0.301	1.514	1.231	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			14.832								
71900 MERCURY, TOTAL (UG/L AS HG)	11/07/79-11/07/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0096

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
01027 CADMIUM, TOTAL	Marine Acute	43.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Marine Acute	2.9	0 &	0	0.00												
01051 LEAD, TOTAL	Marine Acute	220.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Marine Acute	95.	1	0	0.00	1	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
71900 MERCURY, TOTAL	Marine Acute	2.1	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0097

NPS Station ID: VIIS0097
 Location: GREAT CRUZ BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST JOHN
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.323892/ -64.806948

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-56 /STJ-6/STJ45(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0097

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/79-11/09/79	2	29.	29.	29.	29.	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/07/79-11/07/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/15/72-11/09/79	3	6.3	6.5	7.	6.2	0.19	0.436	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/07/79-11/09/79	2	33.8	33.8	34.1	33.5	0.18	0.424	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/79-11/07/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.022	0.022	0.033	0.01	0.	0.016	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/79-11/09/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/79-11/09/79	2 ##	0.105	0.105	0.2	0.01	0.018	0.134	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/07/79-11/09/79	2	0.015	0.015	0.017	0.013	0.	0.003	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/79-11/09/79	2	3.5	3.5	4.6	2.4	2.42	1.556	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/15/72-11/09/79	3	0.	8.667	26.	0.	225.333	15.011	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/15/72-11/09/79	3	0.	0.472	1.415	0.	0.667	0.817	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.962								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/07/79-11/09/79	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/07/79-11/09/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/15/72-11/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0097

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0098

NPS Station ID: VIIS0098
 Location: GREAT BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST THOMAS
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.325282/ -64.840005

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-29 /ST-29 /ST23(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0098

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/79-11/06/79	1	29.5	29.5	29.5	29.5	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/06/79-11/06/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/14/72-11/08/79	4	6.2	6.125	6.4	5.7	0.096	0.31	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/06/79-11/08/79	2	32.85	32.85	33.	32.7	0.045	0.212	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/06/79-11/08/79	2	18.	18.	23.	13.	50.	7.071	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/79-11/08/79	2	0.04	0.04	0.045	0.036	0.	0.006	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	2##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/79-11/08/79	2	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/06/79-11/08/79	2	0.022	0.022	0.032	0.011	0.	0.015	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/06/79-11/08/79	2	3.5	3.5	3.7	3.3	0.08	0.283	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/72-11/08/79	4	2.5	6.	19.	0.	80.667	8.981	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/14/72-11/08/79	4	0.349	0.494	1.279	0.	0.382	0.618	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.122								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/06/79-11/08/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/06/79-11/08/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/14/72-11/17/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/14/72-11/17/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0098

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0099

NPS Station ID: VIIS0099
 Location: COWPET BAY
 Station Type: /TYPA/AMBNT/ESTURY
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST THOMAS
 Minor Basin:
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.318892/ -64.842227

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78000 VIRGIN ISLANDS/
 STORET Station ID(s): VI-30 /ST-30 /ST24(VIHD)
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0099

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/79-11/06/79	1	29.9	29.9	29.9	29.9	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/14/72-11/08/79	4	5.95	5.925	6.3	5.5	0.122	0.35	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/06/79-11/08/79	2	32.55	32.55	32.8	32.3	0.125	0.354	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/06/79-11/08/79	2	7.5	7.5	9.	6.	4.5	2.121	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/79-11/08/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/79-11/08/79	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/06/79-11/08/79	2	0.017	0.017	0.022	0.011	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/06/79-11/08/79	2	3.45	3.45	3.5	3.4	0.005	0.071	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/72-11/08/79	4	0.	0.	0.	0.	0.	0.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/14/72-11/08/79	4	0.	0.	0.	0.	0.	0.	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/06/79-11/08/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/06/79-11/08/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/14/72-11/17/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/14/72-11/17/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0099

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0100

NPS Station ID: VIIS0100
 Location: GREAT BAY
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC:
 Major Basin: VIRGIN ISLANDS
 Minor Basin: ST THOMAS
 RF1 Index:
 RF3 Index:
 Description:

LAT/LON: 18.324170/ -64.842781

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 1111H030
 FIPS State/County: 78005 VIRGIN ISLANDS/ST. THOMAS
 STORET Station ID(s): VI-29A /VI29A
 Within Park Boundary: No

Date Created: 03/29/80

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0100

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/79-11/06/79	1	29.5	29.5	29.5	29.5	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	11/06/79-11/06/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	11/06/79-11/08/79	2	5.9	5.9	6.	5.8	0.02	0.141	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	11/06/79-11/08/79	2	32.55	32.55	33.	32.1	0.405	0.636	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/06/79-11/08/79	2	13.5	13.5	16.	11.	12.5	3.536	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/79-11/08/79	2 ##	0.028	0.028	0.045	0.01	0.001	0.025	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	11/06/79-11/08/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/79-11/08/79	2	0.15	0.15	0.23	0.07	0.013	0.113	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/06/79-11/08/79	2	0.021	0.021	0.03	0.011	0.	0.013	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	11/06/79-11/08/79	2	3.5	3.5	3.6	3.4	0.02	0.141	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/06/79-11/08/79	2	4.	4.	8.	0.	32.	5.657	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	11/06/79-11/08/79	2	0.452	0.452	0.903	0.	0.408	0.639	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.828								
31613 FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/06/79-11/08/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/06/79-11/08/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31613 GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0100

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	0	0.00	2	0	0.00									
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VIIS0101

NPS Station ID: VIIS0101
 Location: GREAT BAY-100 FT OFF CTR. BEACH
 Station Type: /TYPA/AMBNT/OCEAN
 RMI-Indexes:
 RMI-Miles:
 HUC: 21020001
 Major Basin: ST. THOMAS
 Minor Basin: DEPTH 2.5/3.5 METERS
 RF1 Index: 21020001
 RF3 Index:
 Description:

LAT/LON: 18.323892/ -64.842781

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21V1
 FIPS State/County: 78005 VIRGIN ISLANDS/ST. THOMAS
 STORET Station ID(s): 23 /ST-23 /ST23
 Within Park Boundary: No

Date Created: 11/02/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: VIIS0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/11/85	60	28.	27.533	30.5	23.5	2.714	1.647	25.01	26.5	28.875	29.48
00032	CLOUD COVER (PERCENT)	04/28/80-08/19/82	6	12.5	18.333	35.	3.	179.867	13.411	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	04/28/80-08/19/82	6	13.	11.417	13.5	8.	7.042	2.654	**	**	**	**
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-02/26/80	48	0.5	0.625	2.	0.2	0.181	0.426	0.2	0.325	0.775	1.31
00078p	TRANSPARENCY, SECCHI DISC (METERS)	12/27/72-12/11/85	58	2.75	1.845	3.5	0.	2.572	1.604	0.	0.	3.5	3.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/78-12/16/82	24	6.85	6.983	10.1	5.8	0.782	0.884	6.2	6.35	7.25	8.05
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-12/11/85	37	7.	6.878	8.5	5.4	0.381	0.617	6.16	6.5	7.3	7.72
00400p	PH (STANDARD UNITS)	03/20/73-12/16/82	52	8.2	8.244	8.7	8.	0.021	0.146	8.1	8.2	8.3	8.47
00400p	CONVERTED PH (STANDARD UNITS)	03/20/73-12/16/82	52	8.2	8.223	8.7	8.	0.022	0.147	8.1	8.2	8.3	8.47
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/73-12/16/82	52	0.006	0.006	0.01	0.002	0.	0.002	0.003	0.005	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	12/27/72-12/11/85	56	35.95	35.916	38.	34.2	0.739	0.86	34.87	35.4	36.375	36.86
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/11/85	56	0.	0.598	15.	0.	5.686	2.384	0.	0.	0.5	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/11/85	56	0.	-0.015	1.176	-0.301	0.063	0.251	0.	0.	-0.301	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.966								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/23/69-05/16/69	3	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/24/80-12/11/85	15	0.7	0.601	1.3	0.03	0.121	0.348	0.066	0.3	0.8	1.06

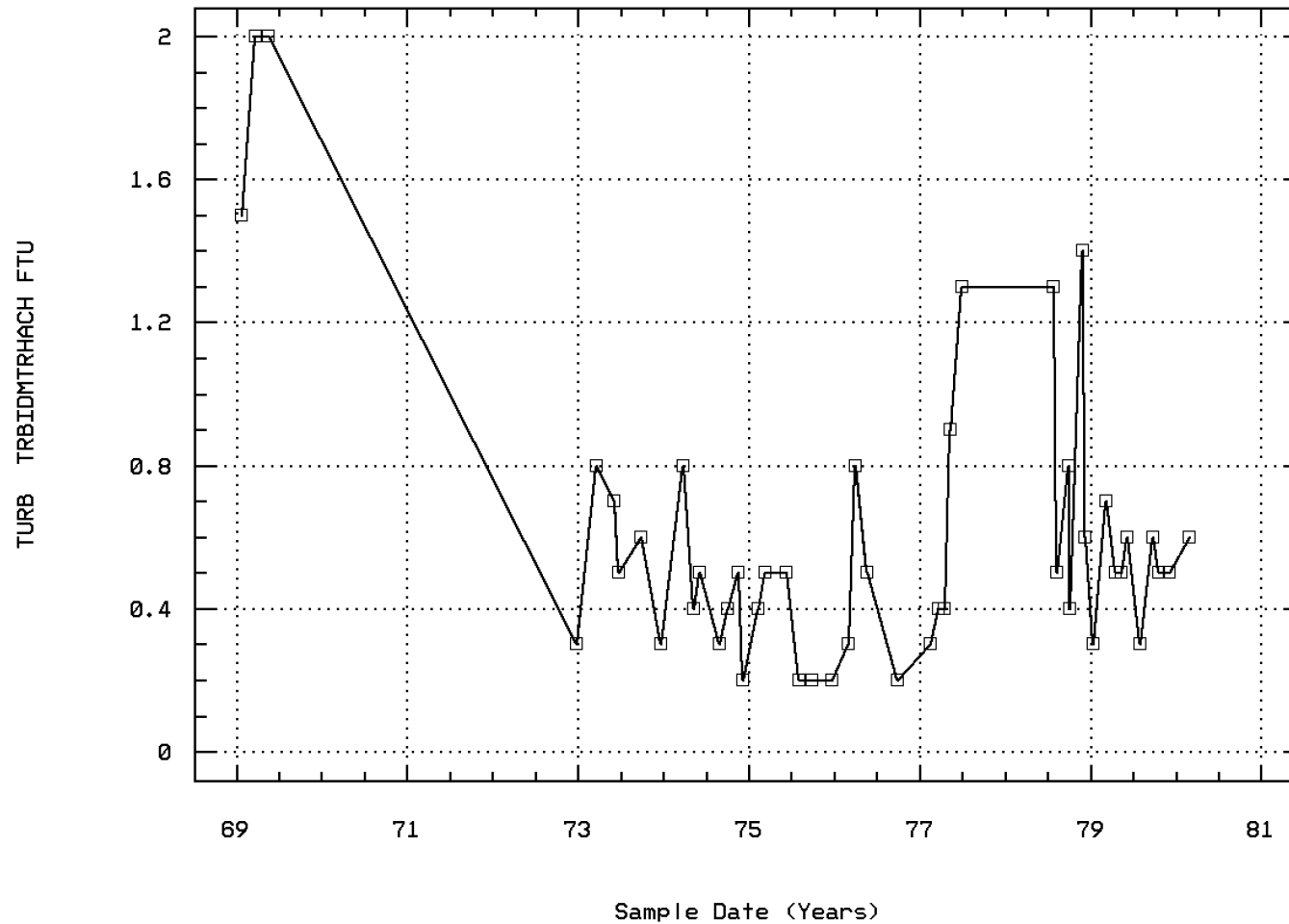
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VIIS0101

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	48	0	0.00	18	0	0.00	12	0	0.00	18	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	24	0	0.00	14	0	0.00	4	0	0.00	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	37	0	0.00	11	0	0.00	11	0	0.00	15	0	0.00		
00400	PH	Other-Hi Lim.	9.	52	0	0.00	22	0	0.00	11	0	0.00	19	0	0.00		
		Other-Lo Lim.	6.5	52	0	0.00	22	0	0.00	11	0	0.00	19	0	0.00		
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	56	0	0.00	23	0	0.00	12	0	0.00	21	0	0.00		
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	15	0	0.00	8	0	0.00	3	0	0.00	4	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

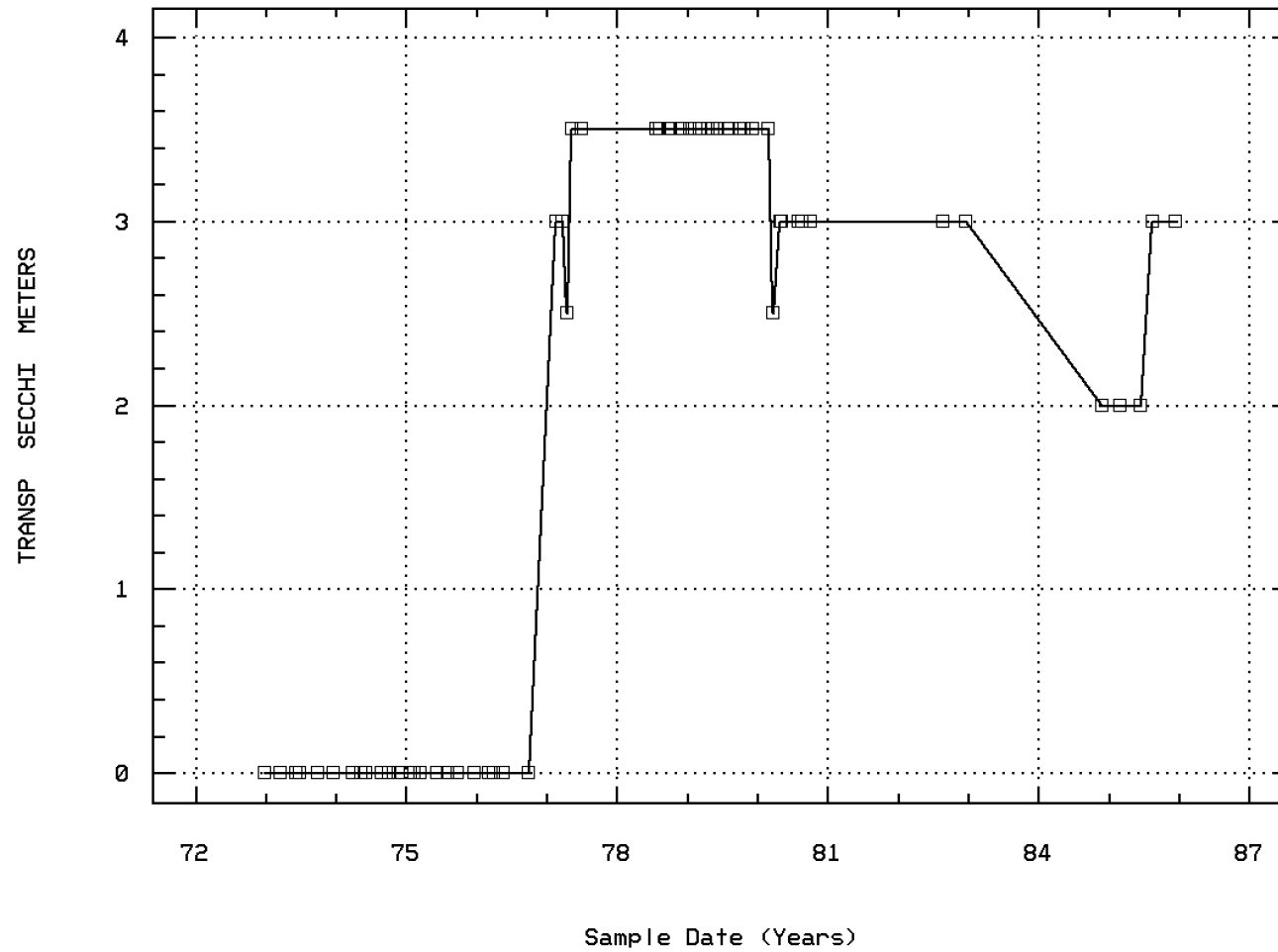
TURBIDITY, HACH TURBIDIMETER (FORMAZIN T



GREAT BAY-100 FT OFF CTR. BEACH

Station: VIIS0101 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



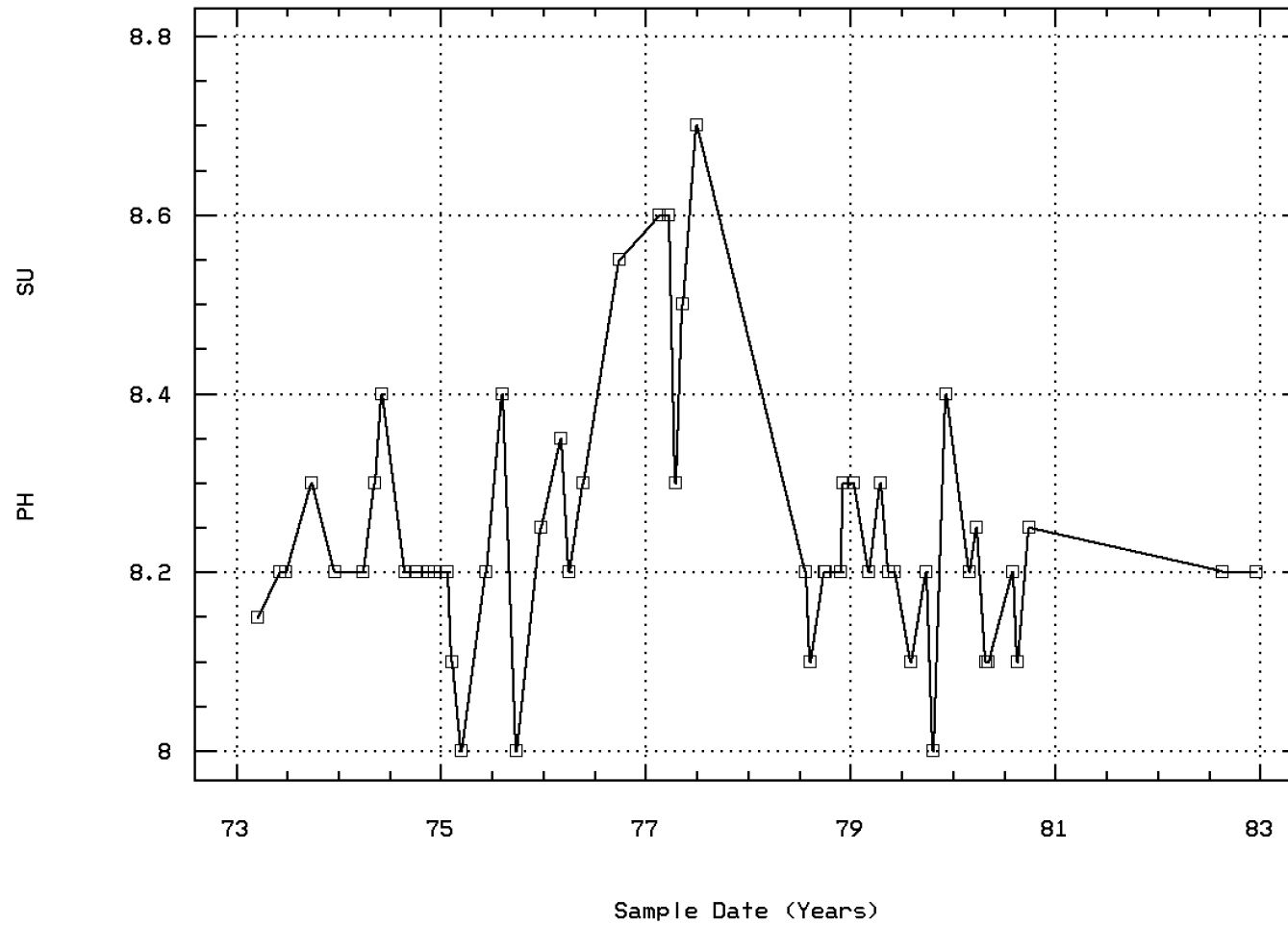
GREAT BAY-100 FT OFF CTR. BEACH

OXYGEN, DISSOLVED



Station: VIIS0101 Parameter Code: 00400

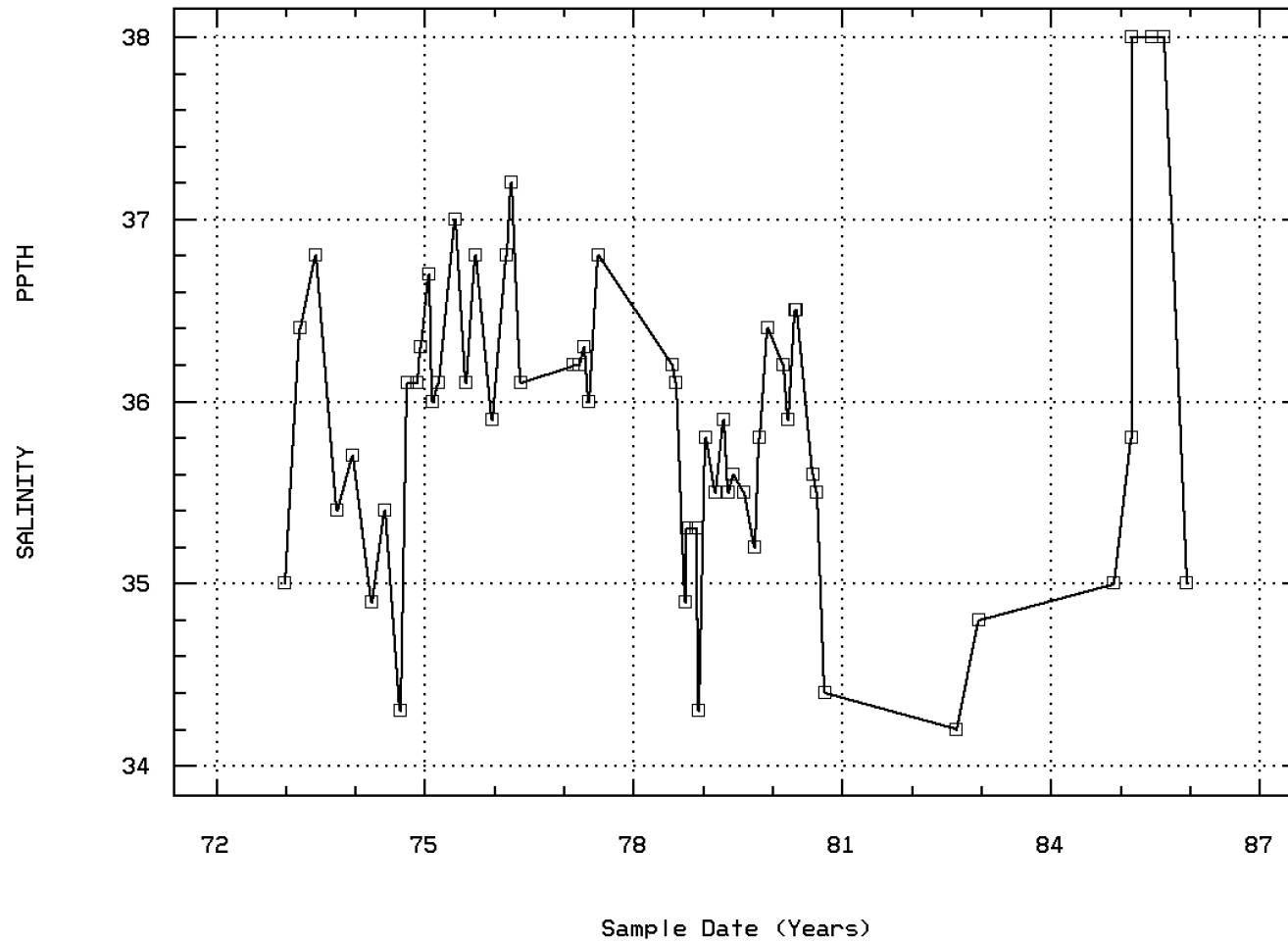
PH (STANDARD UNITS)



GREAT BAY-100 FT OFF CTR. BEACH

Station: VIIS0101 Parameter Code: 00480

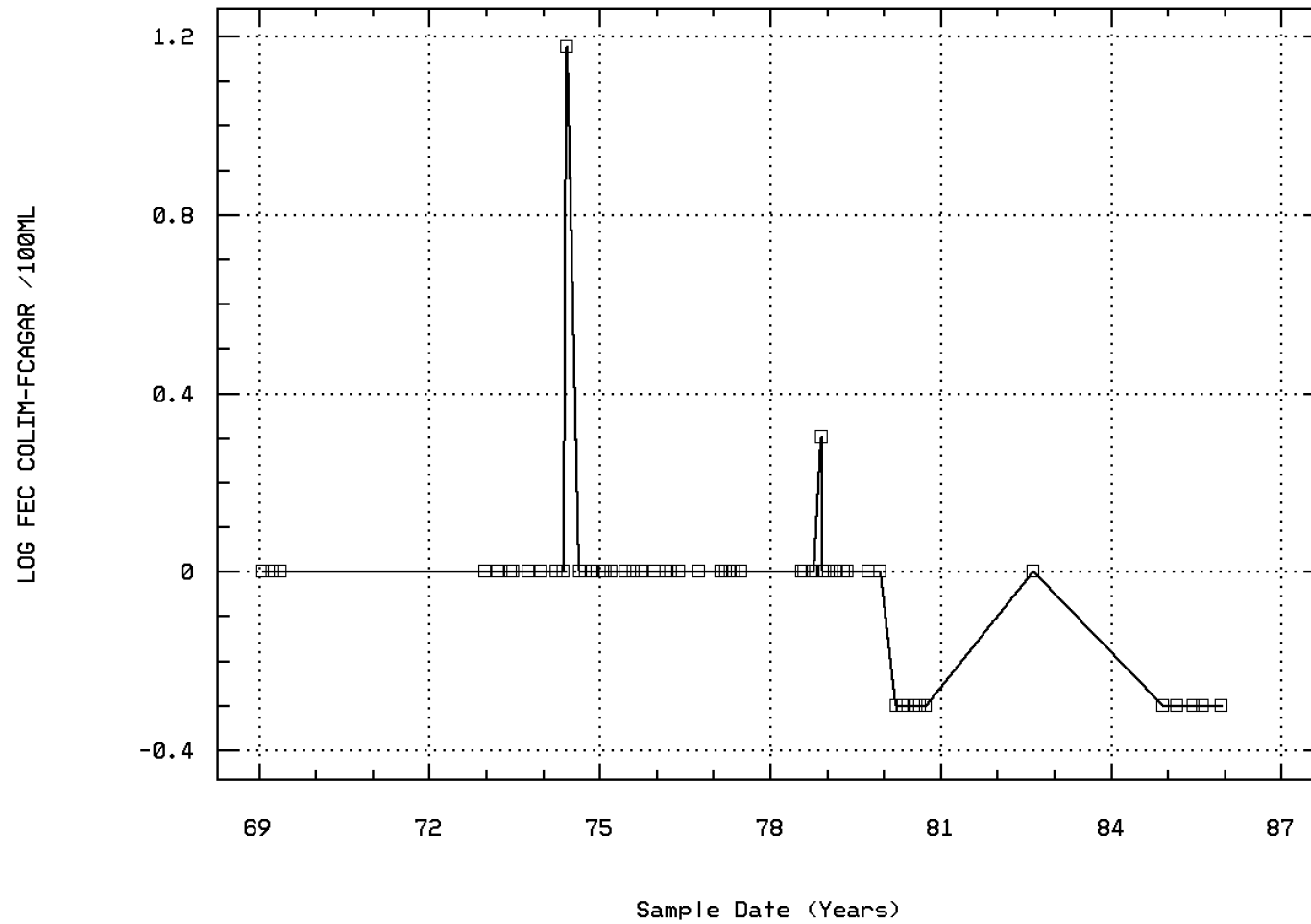
SALINITY - PARTS PER THOUSAND



GREAT BAY-100 FT OFF CTR. BEACH

Station: VIIS0101 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



GREAT BAY-100 FT OFF CTR. BEACH

Seasonal Analysis for Season #1: 7/01 to 12/14 - Station VIIS0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/11/85	24	28.6	28.479	30.5	26.5	0.979	0.99	26.75	28.	29.1	29.65
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-02/26/80	18	0.5	0.528	1.4	0.2	0.119	0.344	0.2	0.275	0.6	1.31
00078p	TRANSPARENCY, SECCHI DISC (METERS)	12/27/72-12/11/85	25	3.	2.2	3.5	0.	2.479	1.575	0.	0.	3.5	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-12/11/85	11	6.5	6.673	8.5	5.7	0.608	0.78	5.76	6.2	7.	8.3
00400	PH (STANDARD UNITS)	03/20/73-12/16/82	22	8.2	8.214	8.55	8.	0.016	0.126	8.03	8.175	8.262	8.4
00400	CONVERTED PH (STANDARD UNITS)	03/20/73-12/16/82	22	8.2	8.197	8.55	8.	0.016	0.127	8.03	8.175	8.262	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/73-12/16/82	22	0.006	0.006	0.01	0.003	0.	0.002	0.004	0.005	0.007	0.009
00480p	SALINITY - PARTS PER THOUSAND	12/27/72-12/11/85	24	35.5	35.575	38.	34.2	0.787	0.887	34.3	35.	36.1	36.6
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/11/85	23	0.	0.696	10.	0.	4.335	2.082	0.	0.	0.5	1.6
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/11/85	23	0.	-0.022	1.	-0.301	0.074	0.272	0.	0.	-0.301	0.181
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.951								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/15 to 3/14 - Station VIIS0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/11/85	15	25.5	25.653	29.	23.5	1.708	1.307	24.1	24.6	26.5	27.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-02/26/80	12	0.35	0.533	1.5	0.2	0.144	0.38	0.23	0.3	0.675	1.35
00078p	TRANSPARENCY, SECCHI DISC (METERS)	12/27/72-12/11/85	13	0.	1.423	3.5	0.	2.702	1.644	0.	0.	3.25	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-12/11/85	11	7.	6.9	7.3	6.5	0.098	0.313	6.5	6.6	7.2	7.3
00400	PH (STANDARD UNITS)	03/20/73-12/16/82	11	8.2	8.236	8.6	8.	0.023	0.152	8.02	8.2	8.3	8.55
00400	CONVERTED PH (STANDARD UNITS)	03/20/73-12/16/82	11	8.2	8.215	8.6	8.	0.024	0.154	8.02	8.2	8.3	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/73-12/16/82	11	0.006	0.006	0.01	0.003	0.	0.002	0.003	0.005	0.006	0.01
00480p	SALINITY - PARTS PER THOUSAND	12/27/72-12/11/85	14	35.95	36.036	38.	34.8	0.621	0.788	34.9	35.65	36.325	37.4
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/11/85	12	0.	0.042	0.5	0.	0.021	0.144	0.	0.	0.	0.35
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/11/85	12	0.	-0.025	0.	-0.301	0.008	0.087	0.	0.	0.	-0.211
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.944								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

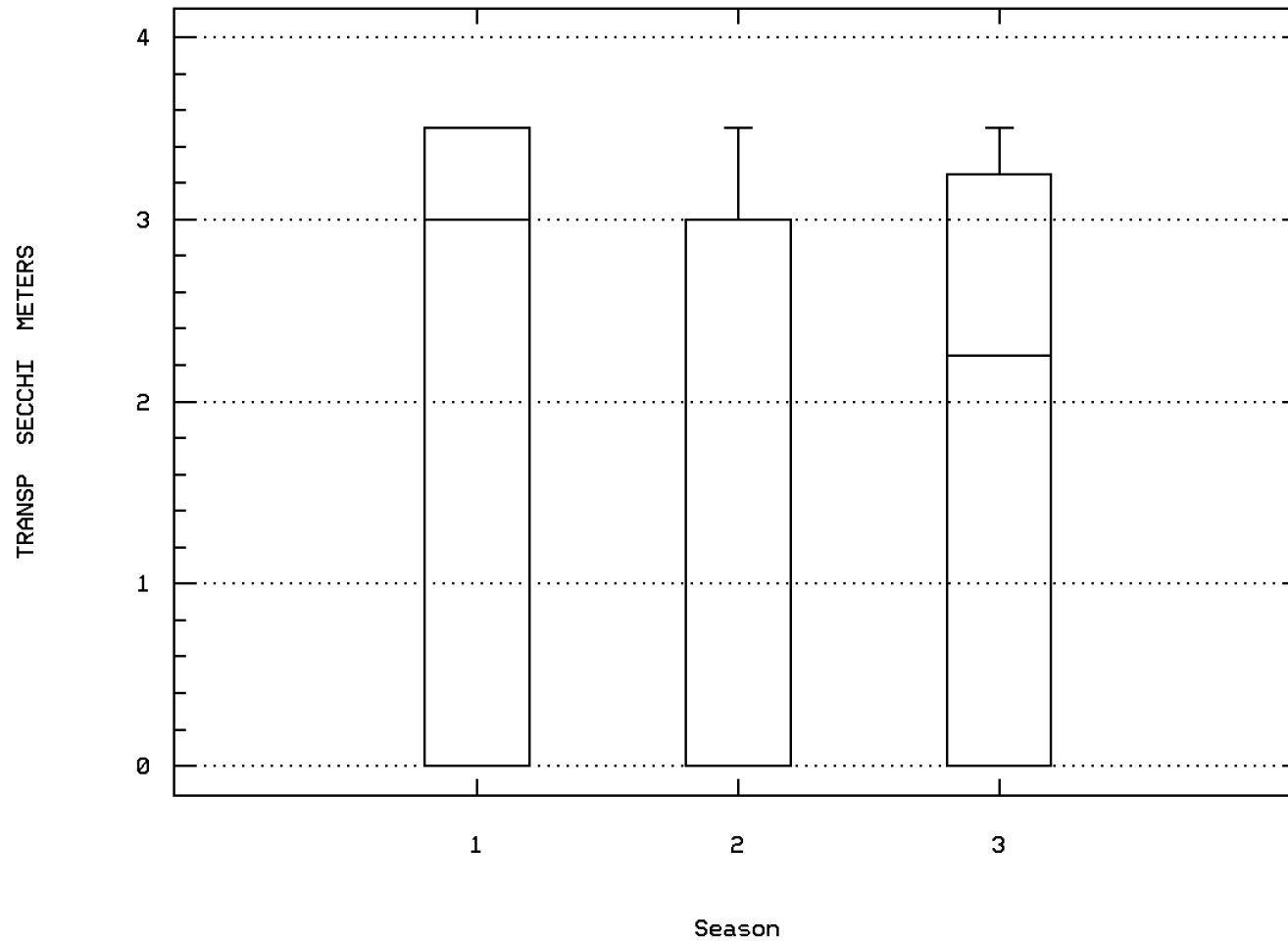
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station VIIS0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/69-12/11/85	21	28.	27.795	30.	24.4	1.887	1.374	26.04	26.75	28.95	29.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/23/69-02/26/80	18	0.55	0.783	2.	0.4	0.247	0.497	0.4	0.5	0.825	2.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	12/27/72-12/11/85	20	2.25	1.675	3.5	0.	2.56	1.6	0.	0.	3.375	3.5
00300p	OXYGEN, DISSOLVED MG/L	01/23/69-12/11/85	15	7.	7.013	8.	5.4	0.421	0.649	6.	6.6	7.4	7.88
00400	PH (STANDARD UNITS)	03/20/73-12/16/82	19	8.2	8.284	8.7	8.1	0.026	0.162	8.1	8.2	8.3	8.6
00400	CONVERTED PH (STANDARD UNITS)	03/20/73-12/16/82	19	8.2	8.26	8.7	8.1	0.027	0.164	8.1	8.2	8.3	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/73-12/16/82	19	0.006	0.005	0.008	0.002	0.	0.002	0.003	0.005	0.006	0.008
00480p	SALINITY - PARTS PER THOUSAND	12/27/72-12/11/85	18	36.25	36.278	38.	34.9	0.537	0.733	35.35	35.825	36.8	37.28
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/69-12/11/85	21	0.	0.81	15.	0.	10.612	3.258	0.	0.	0.25	0.5
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/69-12/11/85	21	0.	-0.001	1.176	-0.301	0.087	0.295	0.	0.	-0.151	-0.301
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.997								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VIIS0101 Parameter Code: 00078

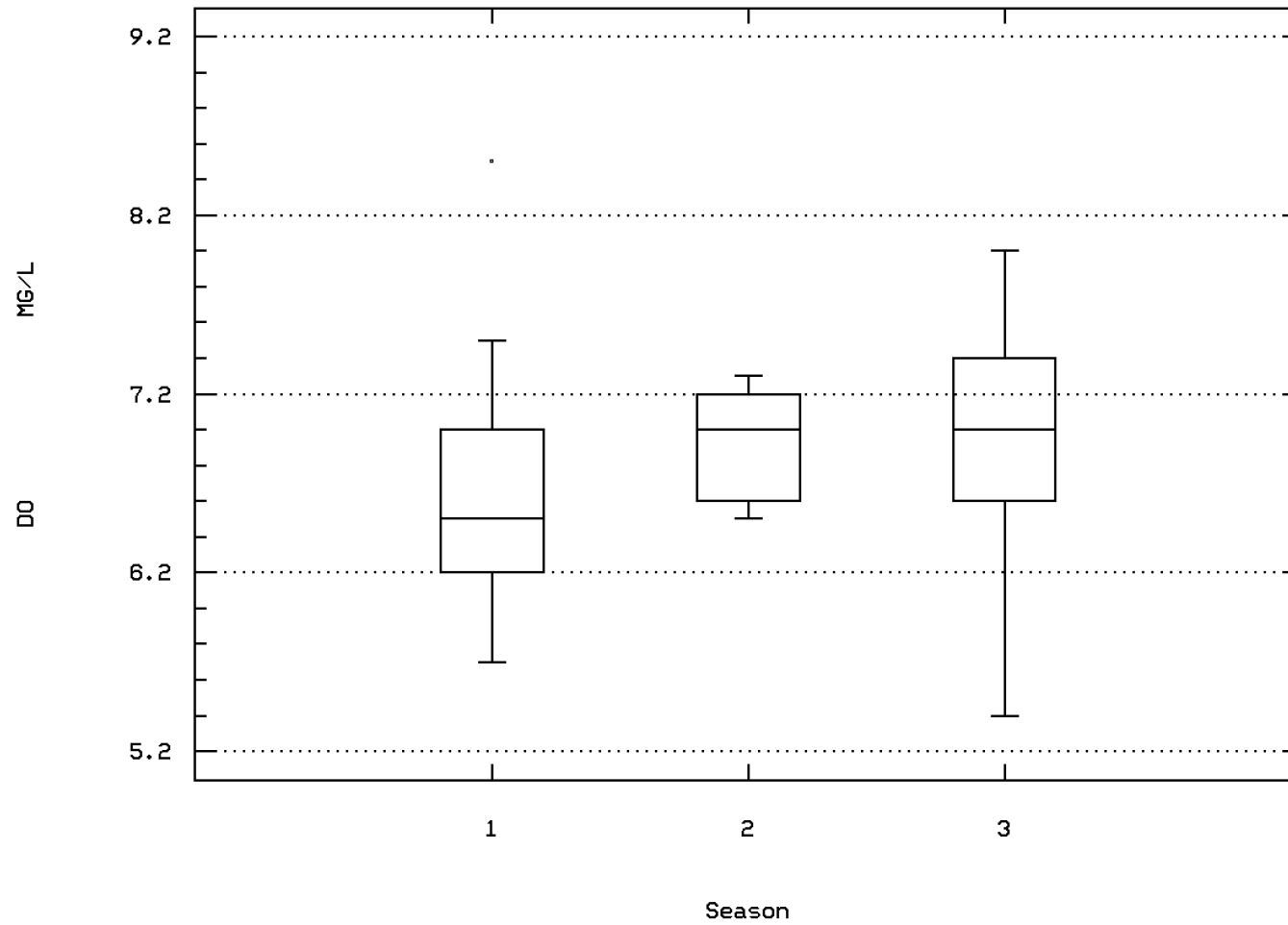
TRANSPARENCY, SECCHI DISC (METERS)



GREAT BAY-100 FT OFF CTR. BEACH

Station: VIIS0101 Parameter Code: 00300

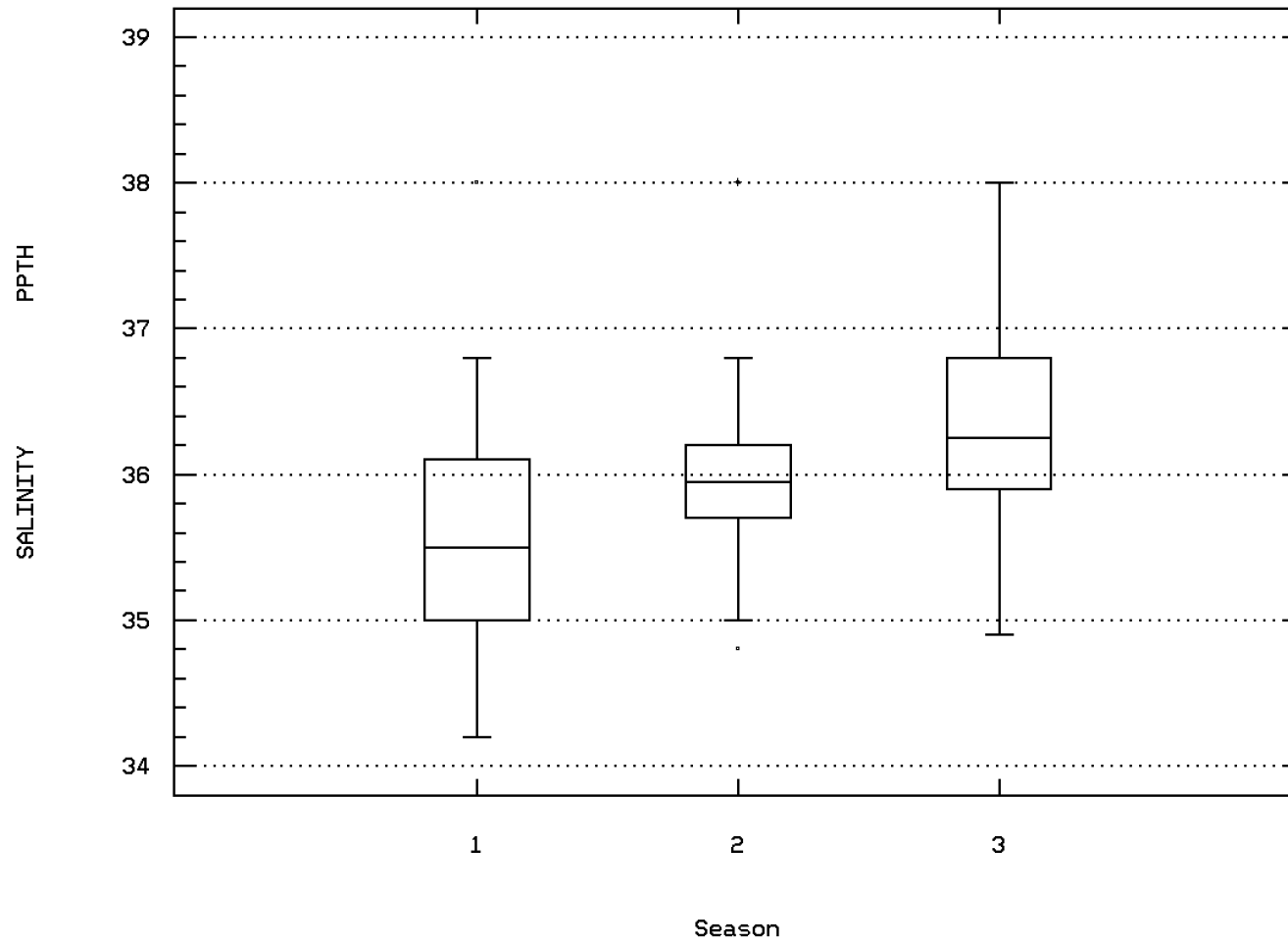
OXYGEN, DISSOLVED



GREAT BAY-100 FT OFF CTR. BEACH

Station: VIIS0101 Parameter Code: 00480

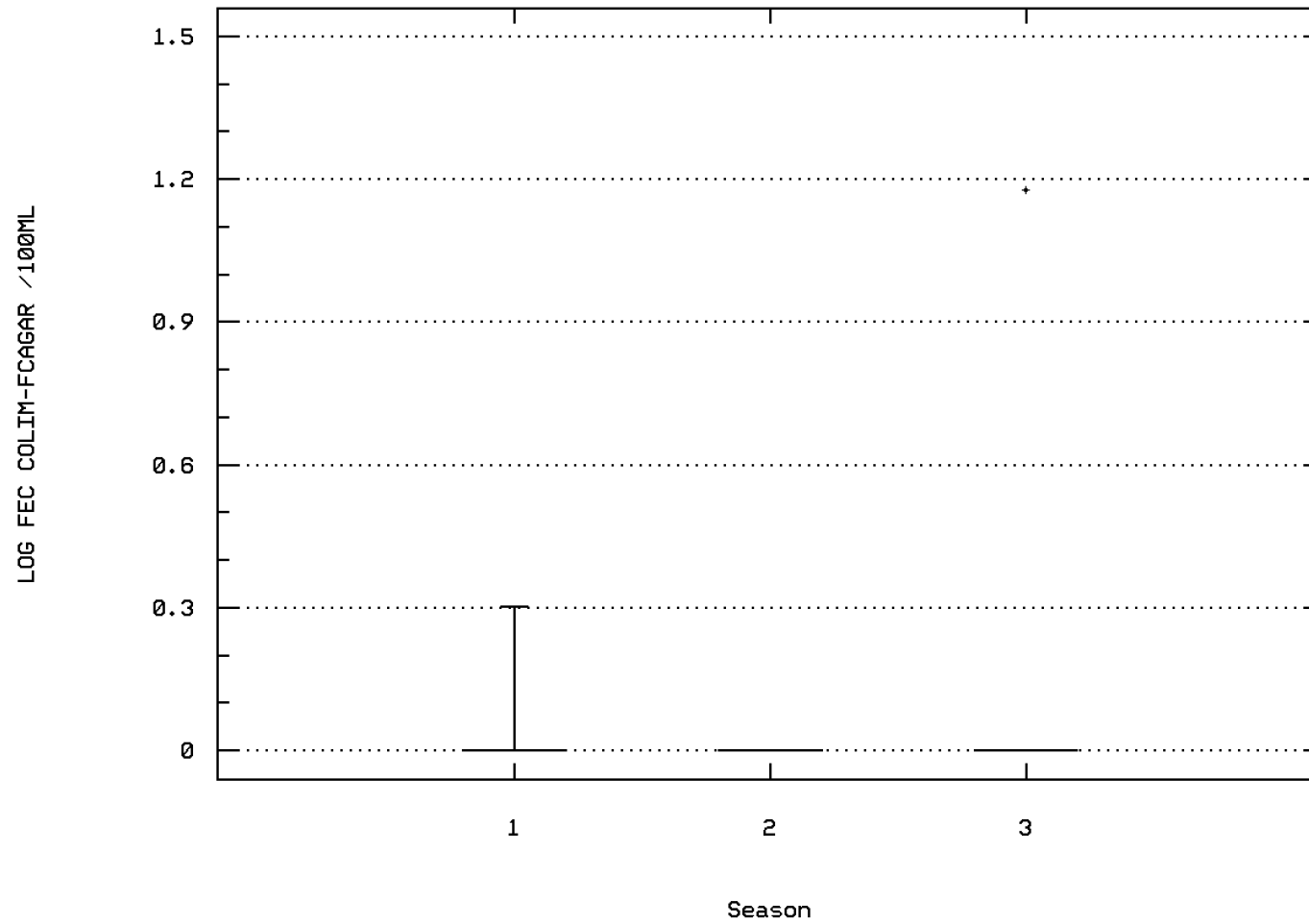
SALINITY - PARTS PER THOUSAND



GREAT BAY-100 FT OFF CTR. BEACH

Station: VIIS0101 Parameter Code: 31613

LOG FECAL COLIFORM, MEMBR FILTER, M-FC AG



GREAT BAY-100 FT OFF CTR. BEACH

EPA Water Quality Criteria Analysis for Entire VIIS Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----7/01-12/14-----			-----12/15-3/14-----			-----3/15-6/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	814	0	0.00	348	0	0.00	182	0	0.00	284	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	535	0	0.00	263	0	0.00	111	0	0.00	161	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2600	0	0.00	1229	0	0.00	613	0	0.00	758	0	0.00		
00400	PH	Other-Hi Lim.	9.	918	0	0.00	394	0	0.00	212	0	0.00	312	0	0.00		
		Other-Lo Lim.	6.5	918	0	0.00	394	0	0.00	212	0	0.00	312	0	0.00		
00406	PH, FIELD	Other-Hi Lim.	9.	1771	0	0.00	802	0	0.00	446	0	0.00	523	0	0.00		
		Other-Lo Lim.	6.5	1771	0	0.00	802	0	0.00	446	0	0.00	523	0	0.00		
01027	CADMIUM, TOTAL	Marine Acute	43.	18	0	0.00	18	0	0.00								
01042	COPPER, TOTAL	Marine Acute	2.9	10 &	10	1.00	10	10	1.00								
01051	LEAD, TOTAL	Marine Acute	220.	20	0	0.00	20	0	0.00								
01092	ZINC, TOTAL	Marine Acute	95.	20	9	0.45	20	9	0.45								
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	110	4	0.04	110	4	0.04								
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1137	27	0.02	515	11	0.02	267	12	0.04	355	4	0.01		
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	52	0	0.00	52	0	0.00								
71900	MERCURY, TOTAL	Marine Acute	2.1	20	2	0.10	20	2	0.10								
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2065	0	0.00	1005	0	0.00	502	0	0.00	558	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

NPS Servicewide Inventory and Monitoring Program Level I
Water Quality Parameter Inventory Data Evaluation and Analysis:
Missing Level I Groups

No STORET Data Within the VIIS Study Area Exist for These Groups:

Alkalinity

Flow

Chlorophyll*

Sulfates/Total Dissolved Solids/Hardness*

*Not A Priority Parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the VIIS Study Area Exist for These Groups:

		Total Obs.	01/01/85 to 01/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
pH						
00400	PH (STANDARD UNITS)	918	0	719	199	35
00406	PH, FIELD (STANDARD UNITS)	1771	1771	0	0	31
		2689	1771	719	199	66 (66) ¹
Conductivity						
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	1756	1756	0	0	31
00480	SALINITY - PARTS PER THOUSAND	2874	1897	808	169	95
		4630	3653	808	169	126 (95) ¹
Dissolved Oxygen						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	535	0	535	0	35
00300	OXYGEN, DISSOLVED (MG/L)	2600	2044	266	290	81
		3135	2044	801	290	116 (95) ¹
Water Temperature						
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3104	2044	806	254	95
		3104	2044	806	254	95 (95) ¹
Clarity/Turbidity						
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	814	0	583	231	21
00078	TRANSPARENCY, SECCHI DISC (METERS)	2890	1903	787	200	94
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	89	32	57	0	43
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	2065	1876	189	0	66
		5858	3811	1616	431	224 (95) ¹
Nitrate/Nitrogen						
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	368	368	0	0	31
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	58	0	58	0	29
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	368	368	0	0	31
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	107	36	62	9	44
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	67	0	58	9	29
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	368	368	0	0	31
		1336	1140	178	18	195 (75) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Phosphate/Phosphorus		Total Obs.	01/01/85 to 01/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00665	PHOSPHORUS, TOTAL (MG/L AS P)	107	36	62	9	44
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	368	368	0	0	31
		475	404	62	9	75 (75) ¹
Bacteria		Total Obs.	01/01/85 to 01/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	110	0	58	52	29
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	1137	124	803	210	64
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	52	0	0	52	28
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	18	0	0	18	7
		1317	124	861	332	128 (64) ¹
Toxic Elements		Total Obs.	01/01/85 to 01/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01027	CADMIUM, TOTAL (UG/L AS CD)	20	0	10	10	11
01034	CHROMIUM, TOTAL (UG/L AS CR)	20	0	10	10	11
01042	COPPER, TOTAL (UG/L AS CU)	20	0	10	10	11
01051	LEAD, TOTAL (UG/L AS PB)	20	0	10	10	11
71900	MERCURY, TOTAL (UG/L AS HG)	20	0	10	10	11
01092	ZINC, TOTAL (UG/L AS ZN)	20	0	10	10	11
		120	0	60	60	66 (11) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
pH	2689	1771	65.9	66	69.5	40.7	11/30/72-10/26/94	122.8
Conductivity	4630	3653	78.9	95	100.0	48.7	11/30/72-10/26/94	211.4
Dissolved Oxygen	3135	2044	65.2	95	100.0	33.0	01/23/69-10/26/94	121.7
Water Temperature	3104	2044	65.9	95	100.0	32.7	01/23/69-10/26/94	120.5
Flow	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
Clarity/Turbidity	5858	3811	65.1	95	100.0	61.7	01/23/69-10/26/94	227.4
Nitrate/Nitrogen	1336	1140	85.3	75	78.9	17.8	11/18/72-01/17/95	60.3
Phosphate/Phosphorus	475	404	85.1	75	78.9	6.3	11/18/72-01/17/95	21.4
Chlorophyll	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
Sulfates/Total Dissolved Solids/Hardness	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
Bacteria	1317	124	9.4	64	67.4	20.6	01/23/69-09/30/86	74.5
Toxic Elements	120	0	0.0	11	11.6	10.9	11/18/72-11/07/79	17.2

Water Quality Observations
Outside STORET Edit Criteria for VIIS
(Disposition: X = Discarded, Blank = Retained)

<u>NPS Station ID</u>	<u>Parameter</u>	<u>Date</u>	<u>Time</u>	<u>Parameter Value</u>	<u>Agency</u>	<u>STORET Station ID</u>	<u>Disposition</u>
VIIS0028	00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	930115		103.1000000	11NPSWRD	VIIS_YAPO19	X

APPENDICES

Appendix A
Computer Files Transmitted With
Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where *COMPRESS.ZIP* is the name of one of the seven compressed (ZIP) files listed below and *FILENAME.EXT* is the name of the file you wish to extract. If you want to decompress all of the files in *COMPRESS.ZIP*, simply omit the *FILENAME.EXT*. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where *COMPRESS.ZIP* is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for *FILENAME.EXT* in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) VIISTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

- (a) VIISITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.
- (b) VIISAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.
- (c) VIISAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

- (d) VIISOV0.DOC - Overview of park and retrieved data.
- (e) VIISOV1.DOC - Station period of record table.
- (f) VIISOV2.DOC - Parameter period of record table.
- (g) VIISOV3.DOC - Station/parameter period of record table.
- (h) VIISINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.
- (i) VIISSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.
- (j) VIISEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.
- (k) VIISIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.
- (l) VIISBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document VIISOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\VIISOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) VIISFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station VIIS0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station VIIS0001) is in the subdirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) VIISPARM.ZIP

This file compresses VIISPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) VIISITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

- (a) VIISWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.
- (b) VIISIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.
- (c) VIISDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.
- (d) VIISGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.
- (e) VIISDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) VIISMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

- (a) VIISEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.
- (b) VIISTOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.
- (c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.
- (d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.
- (e) VIISREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.
- (f) VIISWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (VIISWQA, VIISWQB, VIISWQC, etc.) and the index map name will end with an ampersand (&).

- (g) VIISIDG - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (VIISIDGA, VIISIDGB, VIISIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.
- (h) VIISSEHY - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with VIISFIGS.ZIP and VIISTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in VIISMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) VIISRF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

- (a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.
- (d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) VIISWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: VIISPARM.DBF in VIISPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: VIISPARM.DBF in VIISPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				\$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: VIISPARM.DBF in VIISPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				\$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: VIISWQ.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: VIISWQ.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: VIISIFD.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: VIISIFD.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: VIISIFD.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Drinking Water Intakes File: VIISDRIN.DBF in VIISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: VIISDRIN.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

<u>Drinking Water Intakes File: VIISDRIN.DBF in VIISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: VIISGAGE.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

Water Gage File: VIISGAGE.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFE	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Water Impoundment File: VIISDAMS.DBF in VIISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: VIISDAMS.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: VIISDAMS.DBF in VIISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

<u>Water Impoundment File: VIISDAMS.DBF in VIISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VIISRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VIISRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LL1KEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VIISRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VIISRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCDC2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCDC3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

<u>RF3 Trace File: 12345678.TRC in VIHSRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

<u>Catalog Unit Boundary File: 12345678.CUB in VIISRF3.ZIP</u>
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

<u>Encyclopedia File: WRD File For Internal Use Only</u>				
Field Name	Start	Stop	Length	Field Description
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CaCO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CaCO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CaCO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS Ca)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CaCO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT, MEMBR FILTER, DELAYED, M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT, MEMBR FILTER, IMMED, LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI, PLATE COUNT M-ENTER AGAR, 35C, 48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE), WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C, DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE, RECREATIONAL SUITABILITY @ SMPL TIME, 1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY, ACUTE 24HR (STATIC) CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT ERROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVL P
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary¹

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50 ¹	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50 ¹	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250 ⁵			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0 ^a	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0 ^a	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0 [#]	PH	SU	Physical
	00403				≤6.5, ≥9.0 [#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0 [#]	PH, FIELD	SU	Physical

¹Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200 ^m	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250 ^s			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250 ^s			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250 ^s			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250 ^s			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDEED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDEED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDEED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130 ⁺	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9 ⁺	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9 ⁺	5.0	43		CADMIUM, SUSPENDE	UG/L	Metal
7440439	01027	3.9 ⁺	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDE	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700 ⁺	100	10300 ⁺		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18 ⁺	1300 ^a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18 ⁺	1300 ^a	2.9		COPPER, SUSPENDE	UG/L	Metal
7440508	01042	18 ⁺	1300 ^a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82 ⁺	15 ^a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82 ⁺	15 ^a	220		LEAD, SUSPENDE	UG/L	Metal
7439921	01051	82 ⁺	15 ^a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400 ⁺	2.0	2130 ⁺		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400 ⁺	2.0	2130 ⁺		THALLIUM, SUSPENDE	UG/L	Metal
7440280	01059	1400 ⁺	2.0	2130 ⁺		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400 ⁺	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400 ⁺	100	75		NICKEL, SUSPENDE	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400 ⁺	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400 ⁺	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1 ⁺	100 ^s	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1 ⁺	100 ^s	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018 ⁺	1.3 ^a	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120 ⁺	5000 ^s	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120 ⁺	5000 ^s	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120 ⁺	5000 ^s	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120 ⁺	5000 ^s	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88 ^p	6.0	1500 ^p		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88 ^p	6.0	1500 ^p		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88 ^p	6.0	1500 ^p		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9 ⁺	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82 ⁺	15 ^a	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18 ⁺	1300 ^a	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400 [*]	2.0	2130 [*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400 [*]	2.0	2130 [*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88 ^p	6.0	1500 ^p		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120 ⁺	5.0 ^s	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041 ⁺	0.1 ^s	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018 ⁺	1.3 ^a	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13 [*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039 ⁺	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7 ⁺	0.1	10.3 [*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082 ⁺	0.015 ^a	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4 ⁺	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4 ⁺	0.002	2.13 ⁺		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020 ^e			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1 ⁺	100 ^s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20 ^r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000 ^r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000 ^r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000 ^r			TRITIUM, SUSPENDE	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDE	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0 ^r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0 ^r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0 ^r			STRONTIUM 90, SUSPENDE	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT, DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20°			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20°			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20°			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020°			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20°			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200 [^]	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200 [^]	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200 [^]	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200 [^]	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126 [^]	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33 [^]	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100 ^l			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100 ^l			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100 ^l			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100 ^l			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100 ^l			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100 ^l			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100 ^l			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100 ^l			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1 ^l			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100 ^l			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100 ^l			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100 ⁱ			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100 ⁱ			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100 ⁱ			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900*	100 ⁱ			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900*	100 ⁱ			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100 ⁱ			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100 ⁱ			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270*				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270*				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270*				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0 ^p	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0 ^p	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40 ^c			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40 ^c			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40 ^c			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30 ^p		7.7 ^p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30 ^p		7.7 ^p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30 ^p		7.7 ^p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0 ^P	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0 ^p	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90 [*]		32 [*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9 ⁺	5.0	43		CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18 ⁺	1300 ^a	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82 ⁺	15 ^a	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1 ⁺	100 ^s	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3, LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWN AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
16887006	70352	860	250 ^s			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY, TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9 ⁺	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82 ⁺	15 ^a	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18 ⁺	1300 ^a	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700 [*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100 ^P		240 ^P		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440 [*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250 ^b			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20 ^c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18 ⁺	1300 ^a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400 ⁺	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440666	81754	120 ⁺	5000 ^s	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000 [*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120 ⁺	5000 ^s	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82 ⁺	15 ^a	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9 ⁺	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50 ^l	TURBIDITY, FIELD	NTU	Physical
	82079				50 ^l	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000 ^s			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

*Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

†Hardness Dependent Criteria (100 mg/L CaCO₃ Used).

***pH Dependent Criteria (7.8 pH Used).

‡Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

^Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

#EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

!Arizona state standard.

°EPA action level, 40 CFR 141.80.

^bCalifornia and Florida state bathing water standards.

^cA Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

^mTotal coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

^pProposed Criterion.

^rAverage annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

^sEPA National Secondary Drinking Water Regulation, 40 CFR 143.

^tThe maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

^uColdwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program "Level I" Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	Flow Parameter Group¹	C.A.S. Number
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

¹Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CaCO ₃)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CaCO ₃)	471341
00435	ACIDITY, TOTAL (MG/L AS CaCO ₃)	471341
00440	BICARBONATE ION (MG/L AS HCO ₃)	71523
00445	CARBONATE ION (MG/L AS CO ₃)	3812326
STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONIZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH ₄)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH ₄)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO ₃)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO ₃)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO ₂)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO ₂)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140
STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-
STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00969	CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM, TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYL VINYL ETHER, WATER, WHL, RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROQUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.